

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U072718\
 Data File : VU025664.D
 Acq On : 27 Jul 2018 12:56
 Operator : MD/SY
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVU072718

Manual Integrations
 APPROVED

MMDadoda
 7/31/2018 3:48:24 PM

Quant Time: Jul 28 04:24:16 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U072718W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 27 13:11:52 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	203067	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	295709	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	285623	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	185174	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	162842	51.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.94%	
35) Dibromofluoromethane	4.89	113	135666	52.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.50%	
50) Toluene-d8	7.57	98	486028	54.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.00%	
62) 4-Bromofluorobenzene	10.31	95	188451	53.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.90%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	177340	57.78	ug/l	97
3) Chloromethane	1.33	50	154452	52.65	ug/l	99
4) Vinyl Chloride	1.40	62	146898	53.21	ug/l	99
5) Bromomethane	1.62	94	79777	59.17	ug/l	99
6) Chloroethane	1.69	64	82629	51.19	ug/l	99
7) Trichlorofluoromethane	1.88	101	213777	53.56	ug/l	99
8) Diethyl Ether	2.10	74	74274	51.43	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.28	101	118443	51.28	ug/l	99
10) Methyl Iodide	2.41	142	112724	51.92	ug/l	99
11) Tert butyl alcohol	2.83	59	170051	245.48	ug/l	100
12) 1,1-Dichloroethene	2.28	96	107650	49.37	ug/l	96
13) Acrolein	2.19	56	49539	197.04	ug/l	98
14) Allyl chloride	2.59	41	195771	49.96	ug/l	98
15) Acrylonitrile	2.93	53	358114	258.93	ug/l	99
16) Acetone	2.32	43	373704	242.26	ug/l	96
17) Carbon Disulfide	2.47	76	372728	52.82	ug/l	99
18) Methyl Acetate	2.62	43	197931	53.31	ug/l	97
19) Methyl tert-butyl Ether	3.00	73	416451	52.71	ug/l	100
20) Methylene Chloride	2.70	84	134183	49.08	ug/l	99
21) trans-1,2-Dichloroethene	2.98	96	131768	52.28	ug/l	98
22) Diisopropyl ether	3.57	45	403858	52.30	ug/l	94
23) Vinyl Acetate	3.53	43	1754795	260.78	ug/l	99
24) 1,1-Dichloroethane	3.45	63	239385	51.65	ug/l	99
25) 2-Butanone	4.26	43	540050	257.18	ug/l	98
26) 2,2-Dichloropropane	4.23	77	224637	53.32	ug/l	100
27) cis-1,2-Dichloroethene	4.23	96	145727	51.28	ug/l	100
28) Bromochloromethane	4.55	49	113822	54.92	ug/l	99
29) Tetrahydrofuran	4.64	42	312389	248.31	ug/l	99
30) Chloroform	4.68	83	248399	50.77	ug/l	97
31) Cyclohexane	5.00	56	214025	53.17	ug/l	99
32) 1,1,1-Trichloroethane	4.92	97	228626	51.90	ug/l	99
36) 1,1-Dichloropropene	5.14	75	190699	55.18	ug/l	99
37) Ethyl Acetate	4.38	43	189001	52.74	ug/l	99
38) Carbon Tetrachloride	5.14	117	207669	53.05	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	223511	56.45	ug/l	98
40) Benzene	5.39	78	526278	52.10	ug/l	99
41) Methacrylonitrile	4.54	41	105130	52.82	ug/l	98
42) 1,2-Dichloroethane	5.41	62	202327	52.02	ug/l	99
43) Isopropyl Acetate	5.55	43	309199	52.22	ug/l	99
44) Trichloroethene	6.19	130	150582	53.53	ug/l	99
45) 1,2-Dichloropropane	6.44	63	138375	52.52	ug/l	97
46) Dibromomethane	6.56	93	98626	51.67	ug/l	99
47) Bromodichloromethane	6.76	83	192602	52.89	ug/l	98
48) Methyl methacrylate	6.62	41	156433	53.90	ug/l	97
49) 1,4-Dioxane	6.61	88	75741	1072.46	ug/l	97
51) 4-Methyl-2-Pentanone	7.46	43	965756	260.51	ug/l	99
52) Toluene	7.64	92	336008	53.54	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	226970	55.51	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	230981	55.00	ug/l	98
55) 1,1,2-Trichloroethane	8.07	97	135945	52.13	ug/l	99
56) Ethyl methacrylate	8.02	69	204980	55.01	ug/l	96
57) 1,3-Dichloropropane	8.25	76	231168	52.71	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.13	63	385974	229.34	ug/l	98
59) 2-Hexanone	8.36	43	778399	267.86	ug/l	98
60) Dibromochloromethane	8.48	129	162273	52.76	ug/l	100
61) 1,2-Dibromoethane	8.59	107	153045	52.77	ug/l	99
64) Tetrachloroethene	8.23	164	133707	53.18	ug/l	99
65) Chlorobenzene	9.12	112	388650	52.78	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.21	131	144741	54.33	ug/l	100
67) Ethyl Benzene	9.25	91	662284	54.29	ug/l	100
68) m/p-Xylenes	9.38	106	523709	111.83	ug/l	99
69) o-Xylene	9.78	106	250263	54.68	ug/l	98
70) Styrene	9.80	104	412519	55.80	ug/l	98
71) Bromoform	9.96	173	125627	54.39	ug/l #	100
73) Isopropylbenzene	10.17	105	685510	54.24	ug/l	100
74) N-amyl acetate	10.01	43	281042	54.47	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	220099	50.36	ug/l	98
76) 1,2,3-Trichloropropane	10.50	75	189198m	46.37	ug/l	
77) Bromobenzene	10.45	156	179273	51.43	ug/l	99
78) n-propylbenzene	10.59	91	818489	55.49	ug/l	99
79) 2-Chlorotoluene	10.66	91	465596	53.89	ug/l	99
80) 1,3,5-Trimethylbenzene	10.78	105	595351	55.47	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.50	75	166326m	102.22	ug/l	
82) 4-Chlorotoluene	10.78	91	564931	55.47	ug/l	99
83) tert-Butylbenzene	11.10	119	580367	54.42	ug/l	97
84) 1,2,4-Trimethylbenzene	11.15	105	609956	56.08	ug/l	98
85) sec-Butylbenzene	11.33	105	731274	56.16	ug/l	100
86) p-Isopropyltoluene	11.48	119	664712	57.01	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	345658	53.42	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	351826	52.16	ug/l	100
89) n-Butylbenzene	11.89	91	616573	57.31	ug/l	100
90) Hexachloroethane	12.15	117	111520	53.80	ug/l	99
91) 1,2-Dichlorobenzene	11.88	146	340068	53.62	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	55289	53.36	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	252087	58.89	ug/l	98
94) Hexachlorobutadiene	13.70	225	127960	56.71	ug/l	99
95) Naphthalene	13.75	128	729758	53.00	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	250018	58.55	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

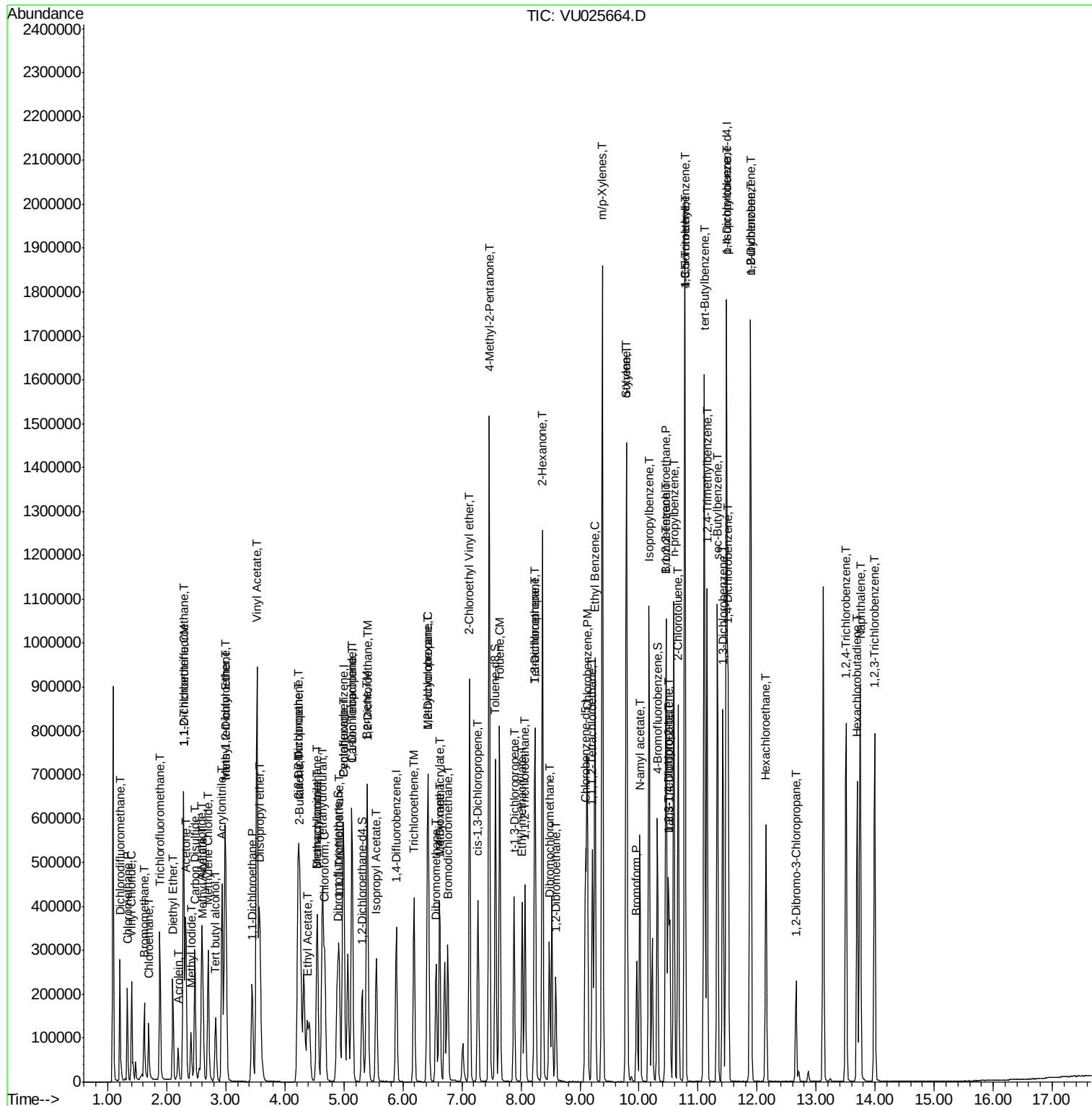
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU072718\
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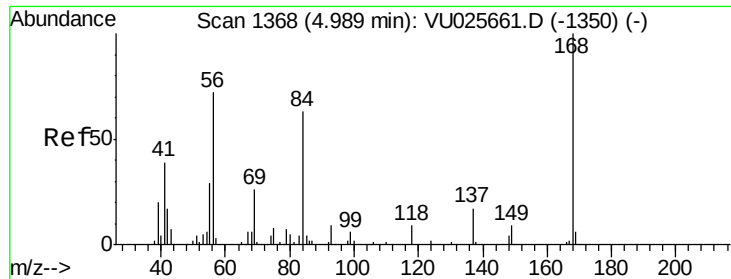
Instrument :
MSVOA_U
ClientSampleId :
ICVVU072718

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.99 min Scan# 1367

Delta R.T. -0.00 min

Lab File: VU025664.D

Acq: 27 Jul 2018 12:56

Instrument :

MSVOA_U

ClientSampleId :

ICVVU072718

Tot Ion:168 Resp: 203067

Ion Ratio Lower Upper

168 100

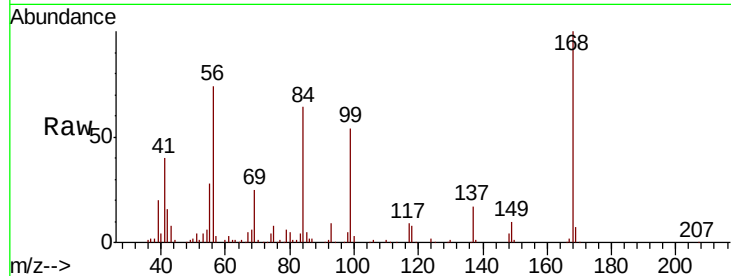
99 54.3 42.8 64.2

Manual Integrations

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7/31/2018 3:48:24 PM



Abundance Ion 167.90 (167.60 to 168.60): VU025661.D (-1350) (-)

Ion 98.90 (98.60 to 99.60): VU025661.D (-1350) (-)

4.99

100000

80000

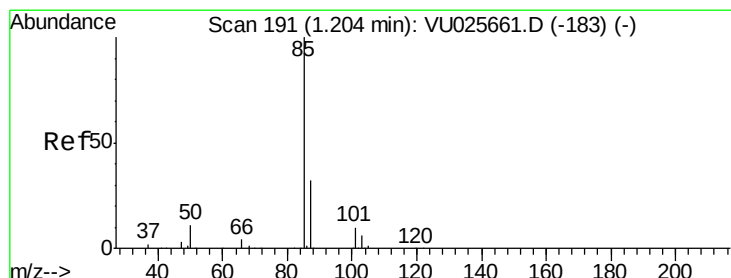
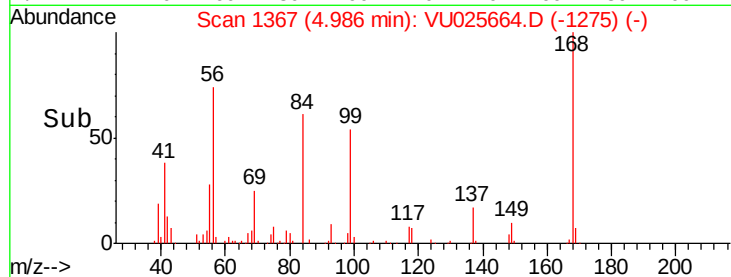
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 57.78 ug/l

RT: 1.20 min Scan# 191

Delta R.T. 0.00 min

Lab File: VU025664.D

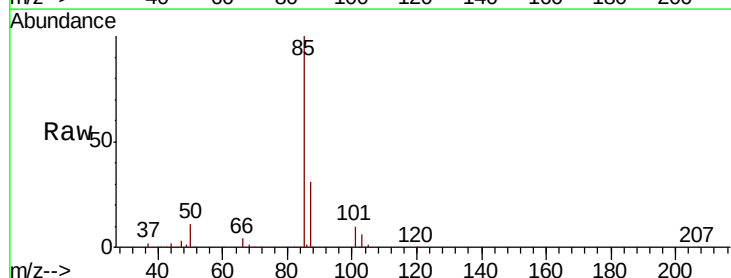
Acq: 27 Jul 2018 12:56

Tgt Ion: 85 Resp: 177340

Ion Ratio Lower Upper

85 100

87 31.3 16.5 49.5



Abundance Ion 84.90 (84.60 to 85.60): VU025661.D (-183) (-)

Ion 86.90 (86.60 to 87.60): VU025661.D (-183) (-)

1.20

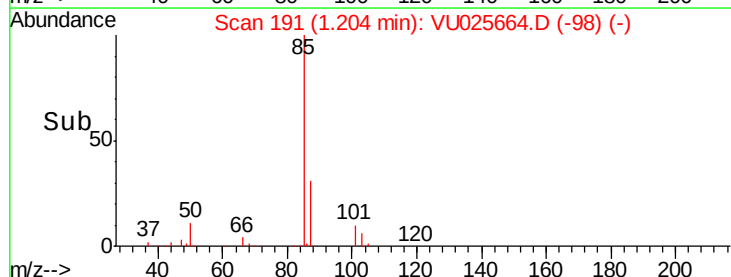
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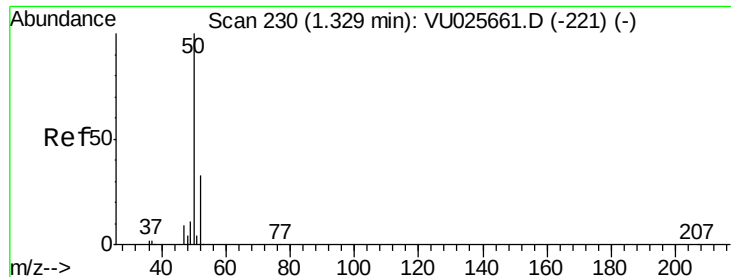
100000

50000

0

Time-->





#3

Chloromethane

Concen: 52.65 ug/l

RT: 1.33 min Scan# 230

Delta R.T. 0.00 min

Lab File: VU025664.D

Acq: 27 Jul 2018 12:56

Instrument :

MSVOA_U

ClientSampleId :

ICVVU072718

Tot Ion: 50 Resp: 154452

Ion Ratio Lower Upper

50 100

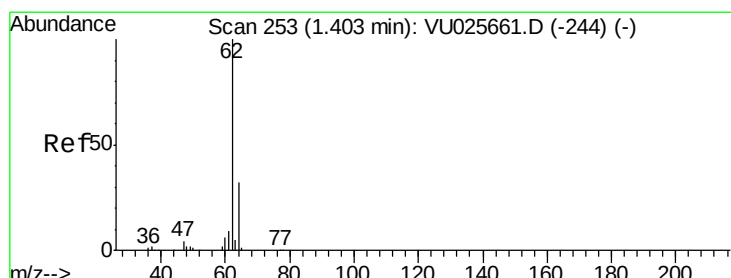
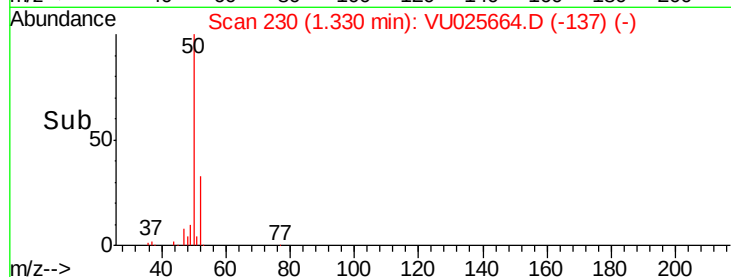
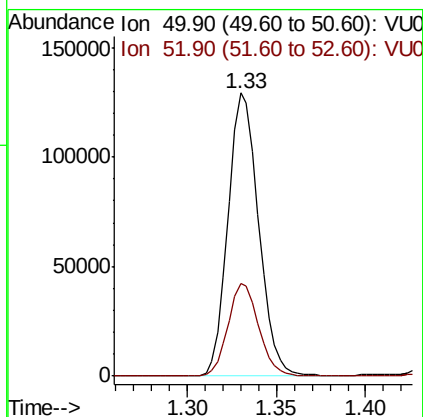
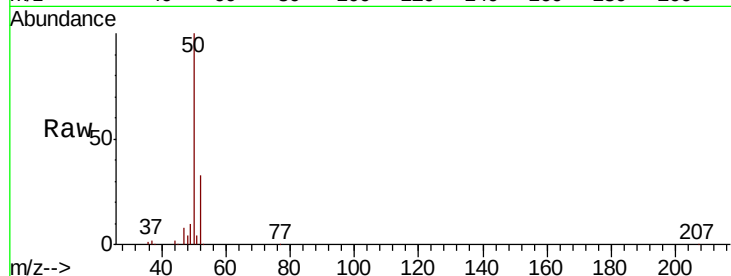
52 32.6 26.5 39.7

Manual Integrations

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7/31/2018 3:48:24 PM



#4

Vinyl Chloride

Concen: 53.21 ug/l

RT: 1.40 min Scan# 253

Delta R.T. 0.00 min

Lab File: VU025664.D

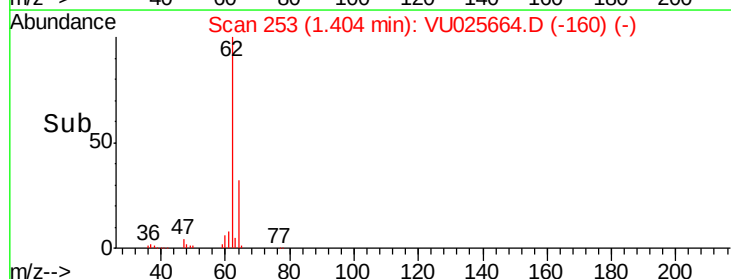
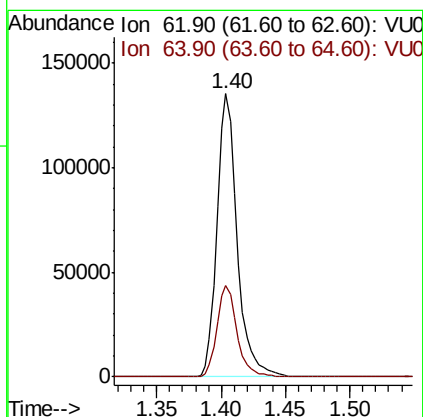
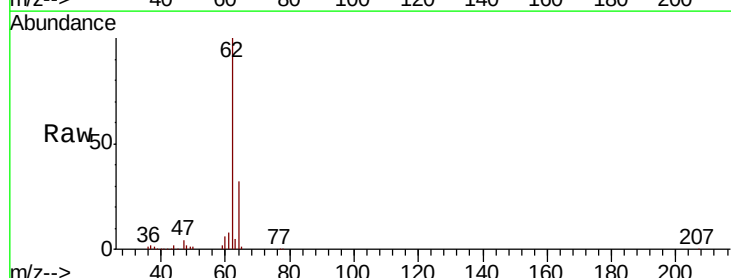
Acq: 27 Jul 2018 12:56

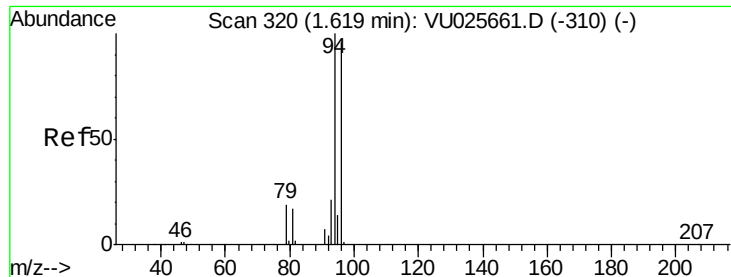
Tgt Ion: 62 Resp: 146898

Ion Ratio Lower Upper

62 100

64 32.4 25.4 38.0





#5

Bromomethane

Concen: 59.17 ug/l

RT: 1.62 min Scan# 320

Delta R.T. 0.00 min

Lab File: VU025664.D

Acq: 27 Jul 2018 12:56

Instrument :

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ClientSampleId :

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Tot Ion: 94 Resp: 79777

Ion Ratio Lower Upper

94 100

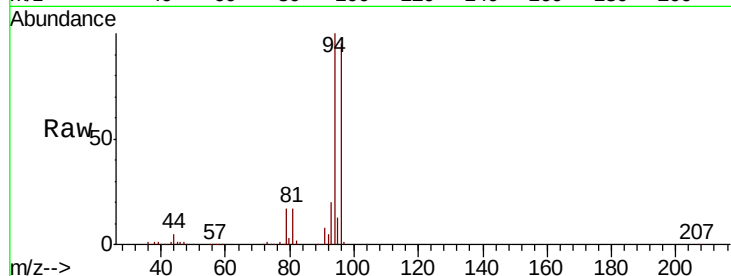
96 94.6 75.0 112.4

Manual Integrations

APPROVED

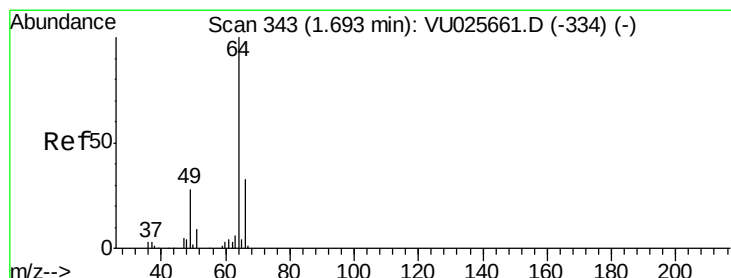
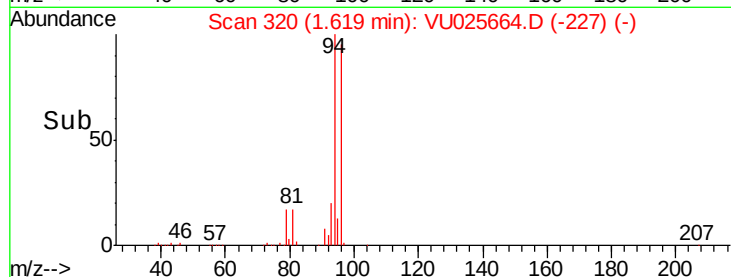
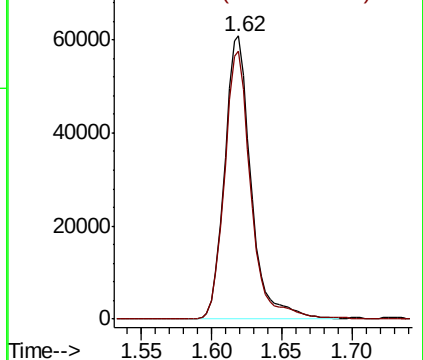
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Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



#6

Chloroethane

Concen: 51.19 ug/l

RT: 1.69 min Scan# 343

Delta R.T. 0.00 min

Lab File: VU025664.D

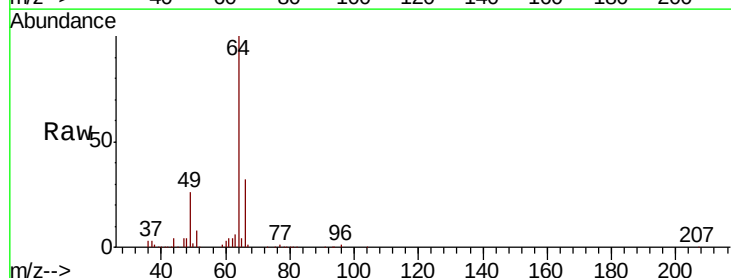
Acq: 27 Jul 2018 12:56

Tgt Ion: 64 Resp: 82629

Ion Ratio Lower Upper

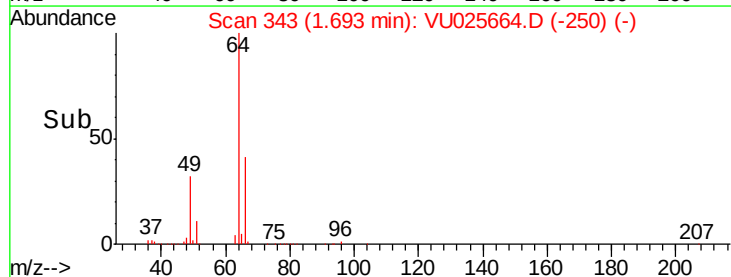
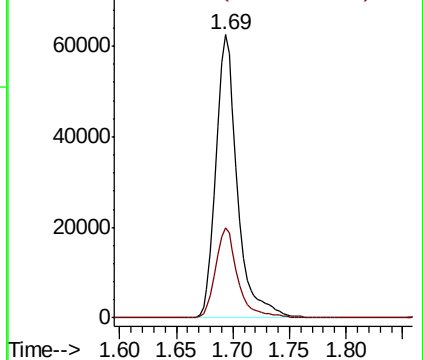
64 100

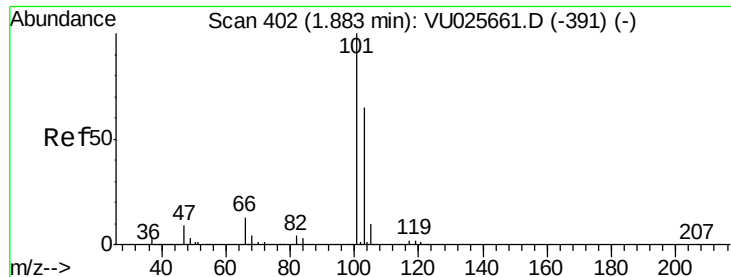
66 31.7 25.0 37.4



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0





#7

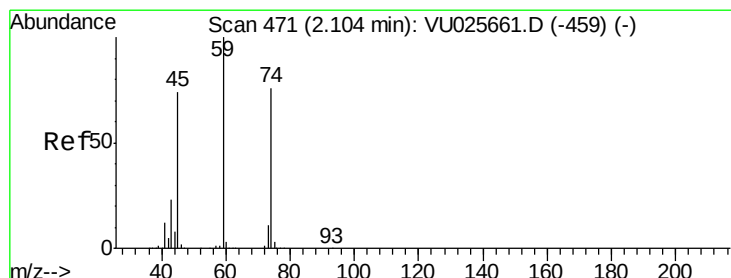
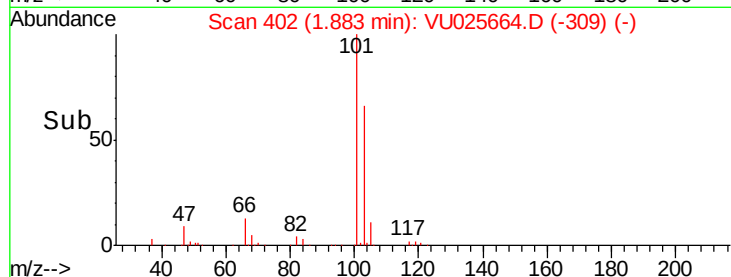
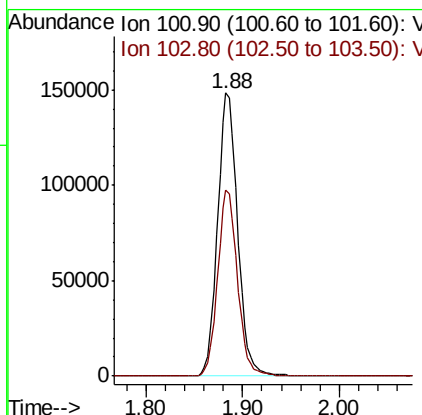
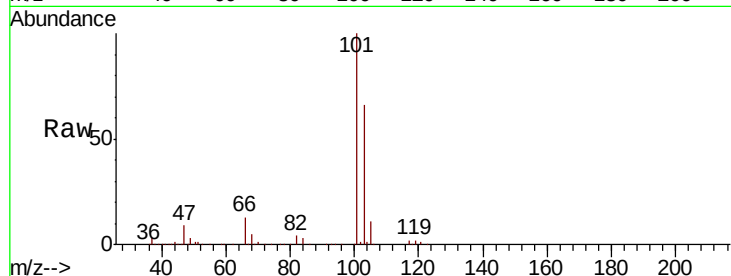
Trichlorofluoromethane
Concen: 53.56 ug/l
RT: 1.88 min Scan# 402
Delta R.T. 0.00 min
Lab File: VU025664.D
Acq: 27 Jul 2018 12:56

Instrument :
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ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.9	52.2	78.2

Manual Integrations
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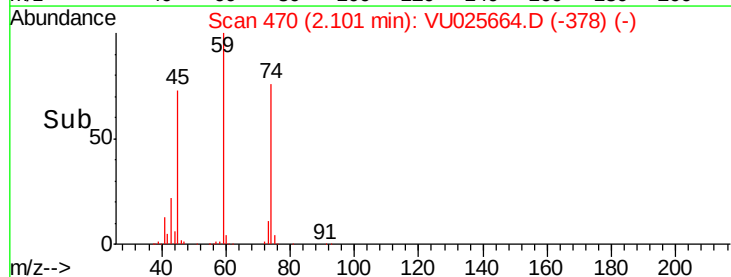
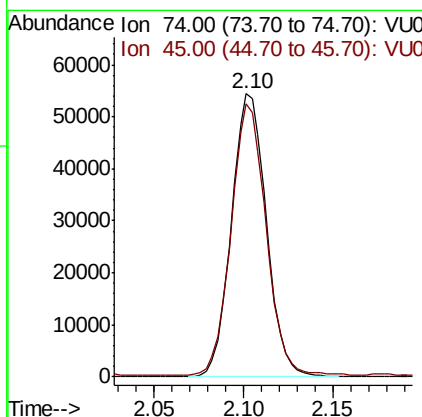
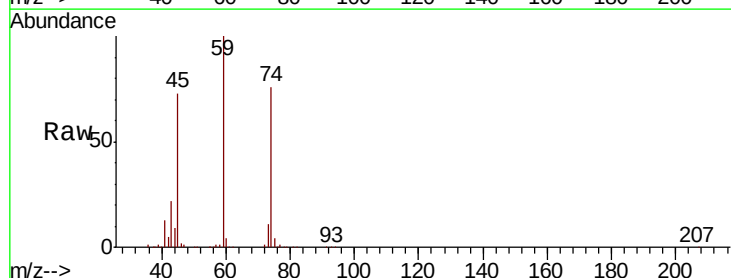
MMDadoda
7/31/2018 3:48:24 PM

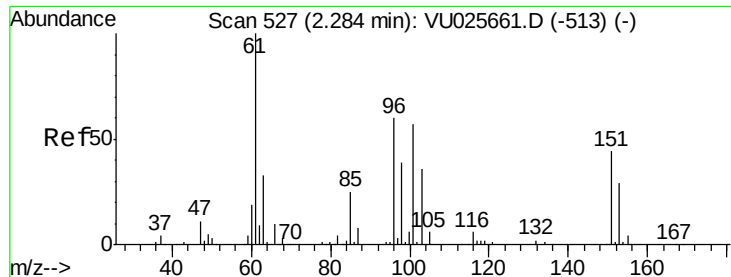


#8

Diethyl Ether
Concen: 51.43 ug/l
RT: 2.10 min Scan# 470
Delta R.T. -0.00 min
Lab File: VU025664.D
Acq: 27 Jul 2018 12:56

Tgt Ion	Ratio	Lower	Upper
74	100		
45	95.1	48.3	144.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.28 ug/l

RT: 2.28 min Scan# 527

Delta R.T. 0.00 min

Lab File: VU025664.D

Acq: 27 Jul 2018 12:56

Instrument :

MSVOA_U

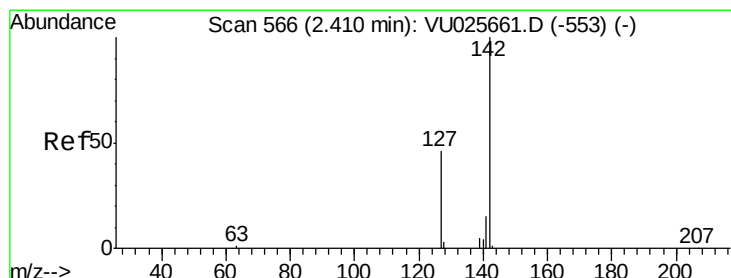
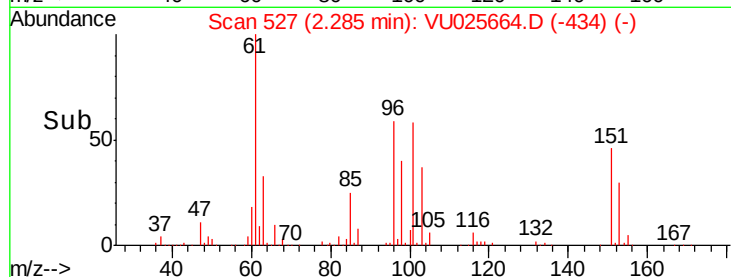
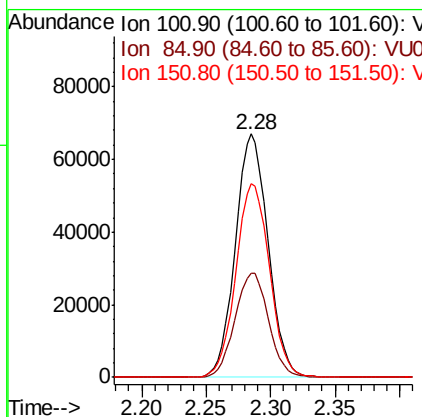
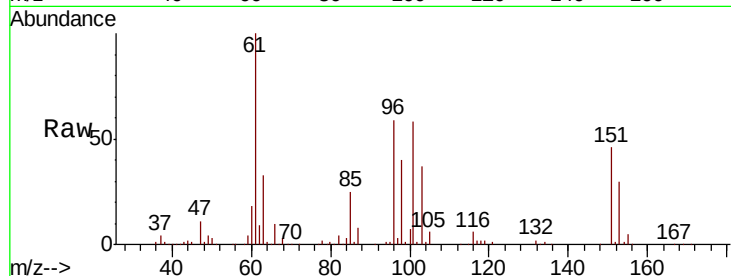
ClientSampleId :

ICVVU072718

Tot Ion:	101	Resp:	118443
Ion Ratio	Lower	Upper	
101	100		
85	43.9	36.0	54.0
151	81.8	65.6	98.4

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#10

Methyl Iodide

Concen: 51.92 ug/l

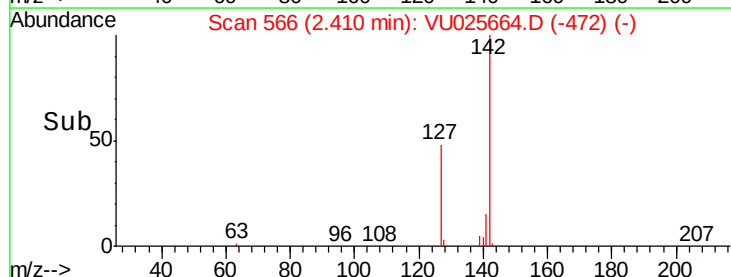
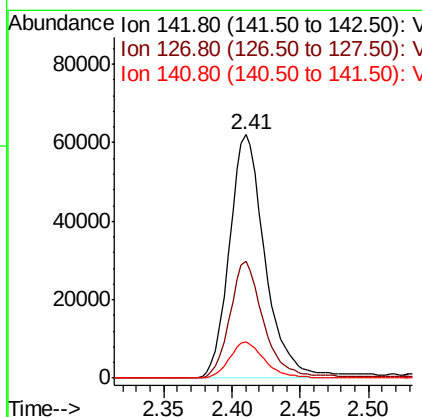
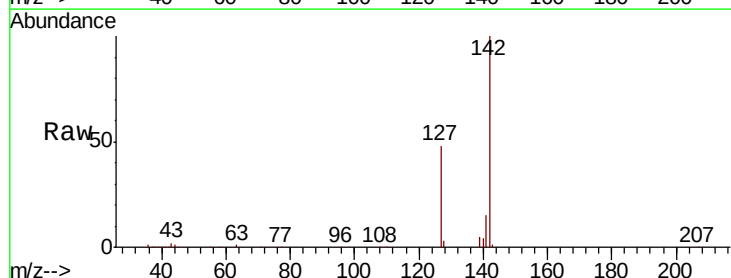
RT: 2.41 min Scan# 566

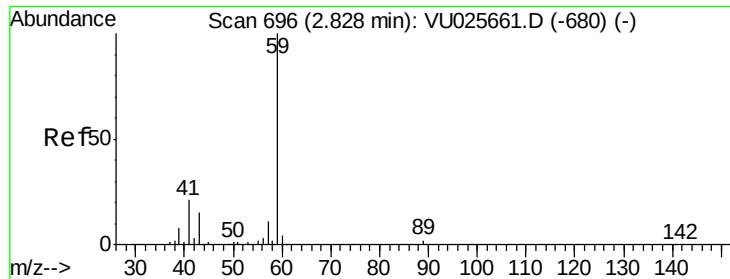
Delta R.T. 0.00 min

Lab File: VU025664.D

Acq: 27 Jul 2018 12:56

Tgt Ion:	142	Resp:	112724
Ion Ratio	Lower	Upper	
142	100		
127	44.8	36.5	54.7
141	14.8	11.4	17.2





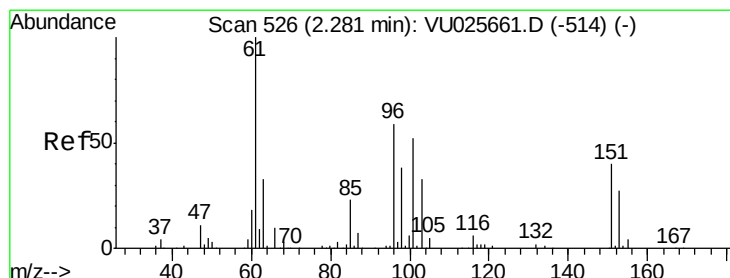
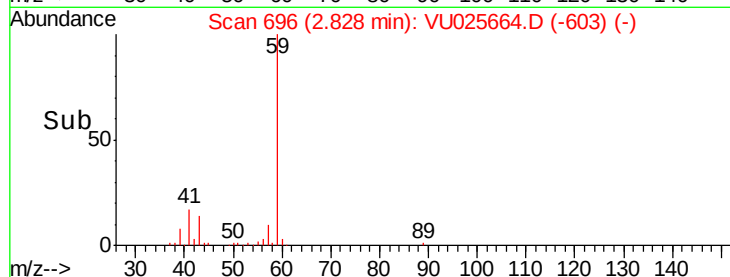
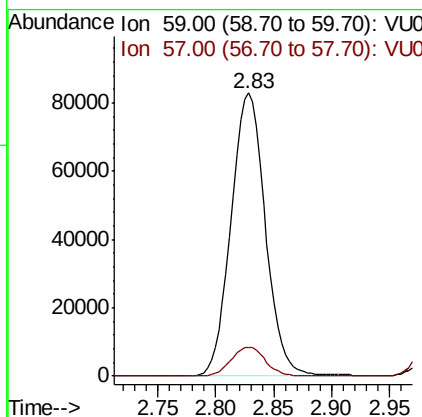
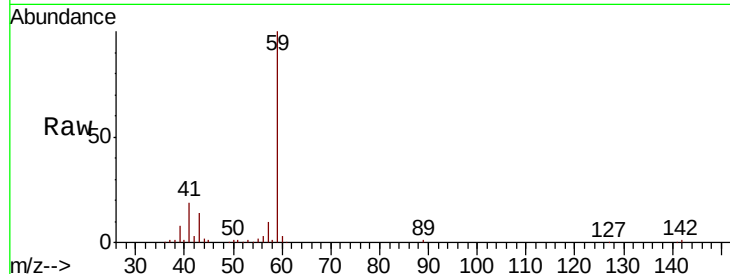
#11
Tert butyl alcohol
Concen: 245.48 ug/l
RT: 2.83 min Scan# 696
Delta R.T. 0.00 min
Lab File: VU025664.D
Acq: 27 Jul 2018 12:56

Instrument :
MSVOA_U
ClientSampleId :
ICVVU072718

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.2	12.2

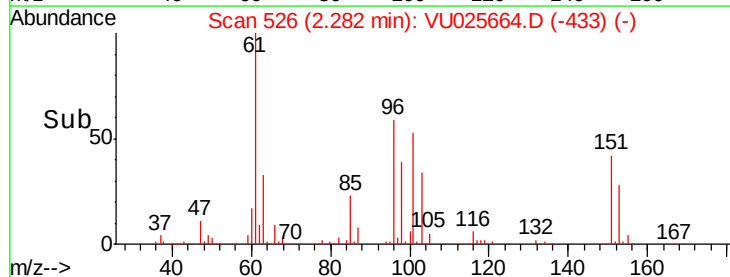
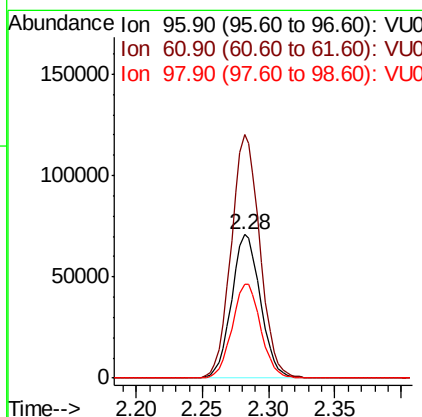
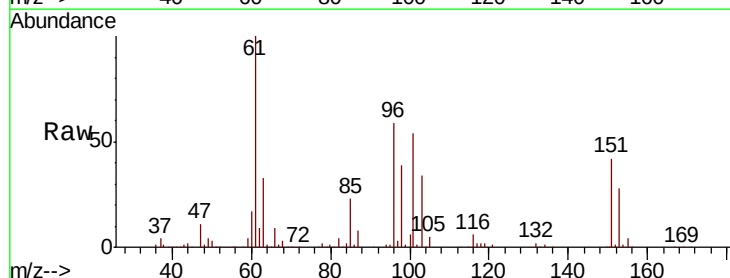
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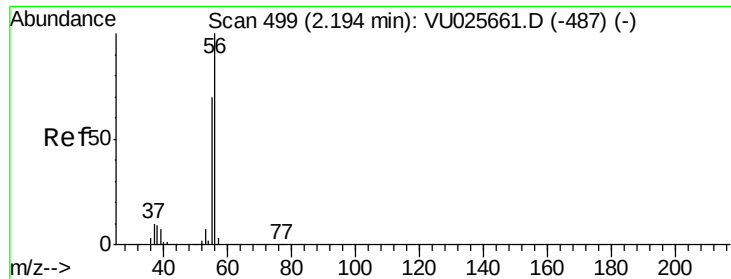
MMDadoda
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#12
1,1-Dichloroethene
Concen: 49.37 ug/l
RT: 2.28 min Scan# 526
Delta R.T. 0.00 min
Lab File: VU025664.D
Acq: 27 Jul 2018 12:56

Tgt Ion	Ratio	Lower	Upper
96	100		
61	169.6	140.2	210.4
98	65.7	49.3	73.9





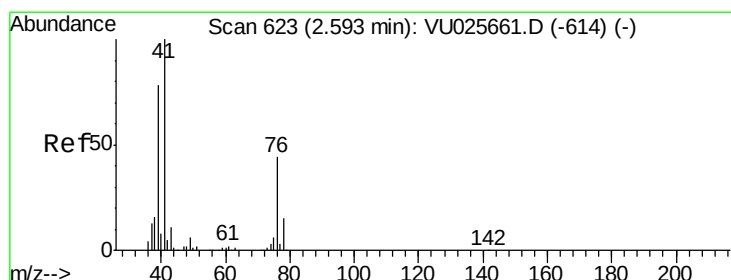
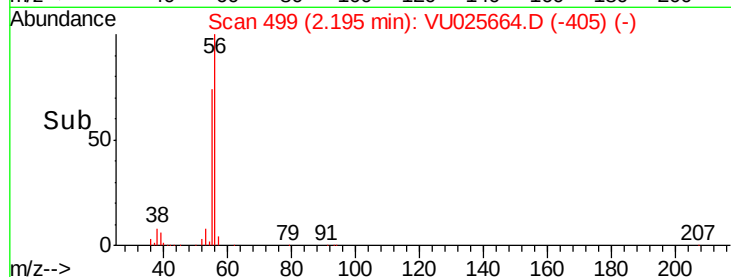
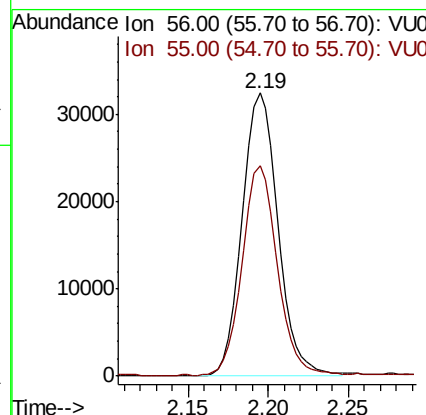
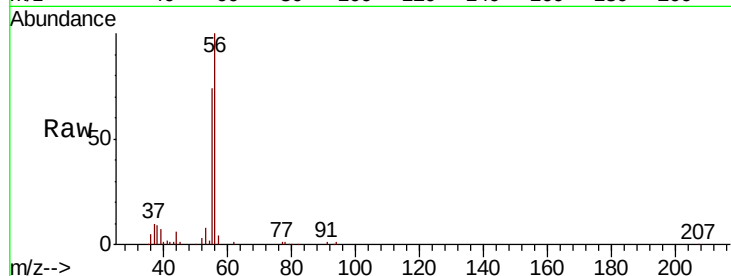
#13
Acrolein
Concen: 197.04 ug/l
RT: 2.19 min Scan# 499
Delta R.T. 0.00 min
Lab File: VU025664.D
Acq: 27 Jul 2018 12:56

Instrument :
MSVOA_U
ClientSampleId :
ICVVU072718

Tot Ion	56	55	Ratio	Lower	Upper
49539	100	73.5		57.2	85.8

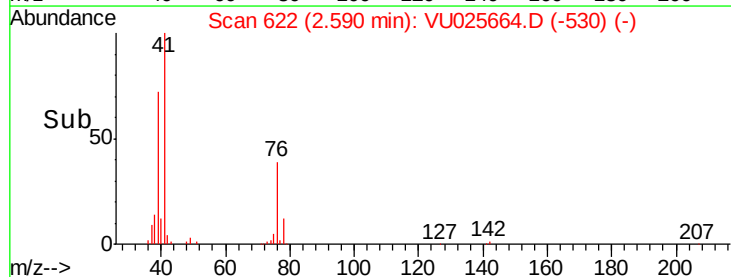
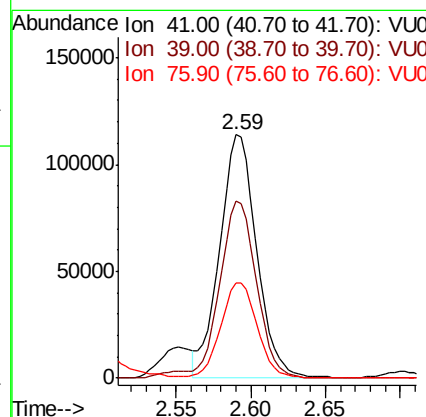
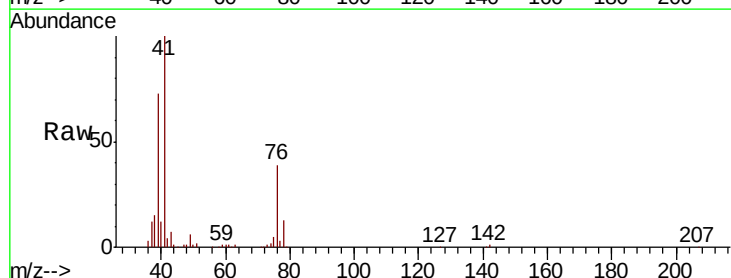
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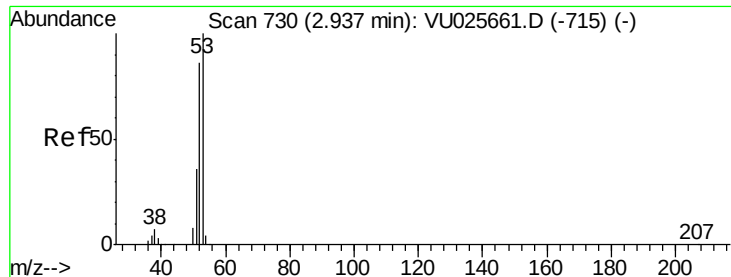
MMDadoda
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#14
Allyl chloride
Concen: 49.96 ug/l
RT: 2.59 min Scan# 622
Delta R.T. -0.00 min
Lab File: VU025664.D
Acq: 27 Jul 2018 12:56

Tgt Ion	41	39	76	Ratio	Lower	Upper
195771	100	73.8	38.8		60.6	91.0
					30.5	45.7





#15

Acrylonitrile

Concen: 258.93 ug/l

RT: 2.93 min Scan# 729

Delta R.T. -0.00 min

Lab File: VU025664.D

Acq: 27 Jul 2018 12:56

Instrument :

MSVOA_U

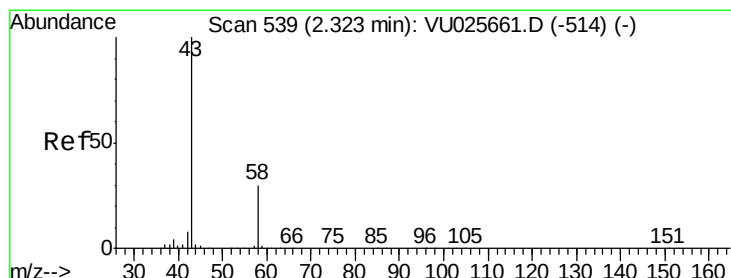
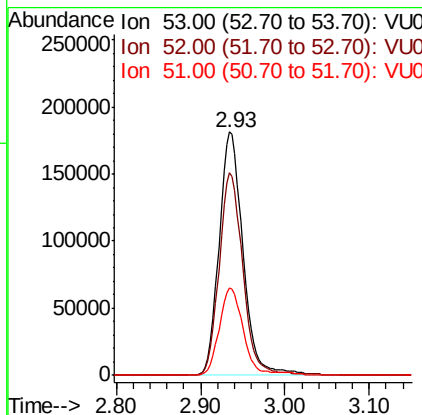
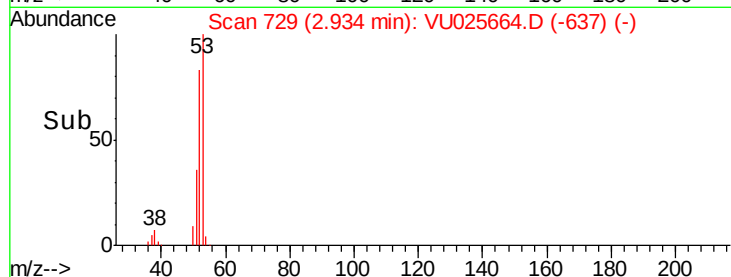
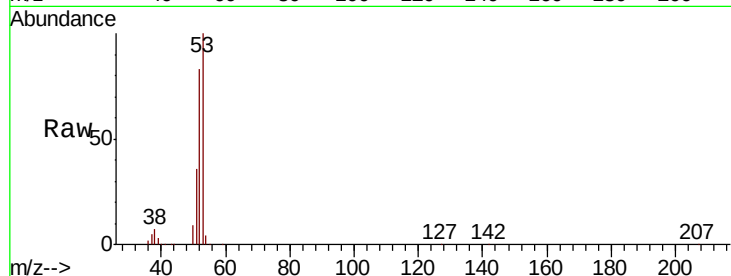
ClientSampleId :

ICVVU072718

Tot Ion:	53	Resp:	358114
Ion	Ratio	Lower	Upper
53	100		
52	81.9	66.6	99.8
51	36.7	29.4	44.2

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#16

Acetone

Concen: 242.26 ug/l

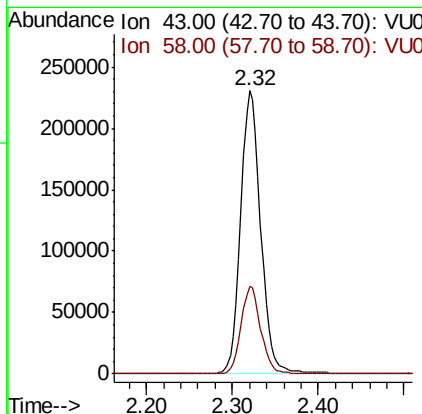
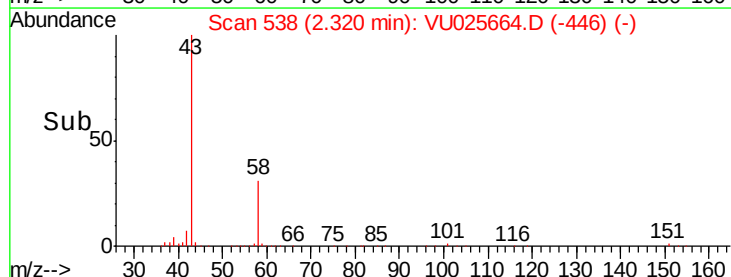
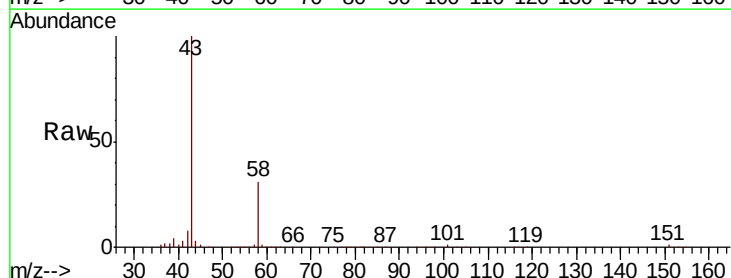
RT: 2.32 min Scan# 538

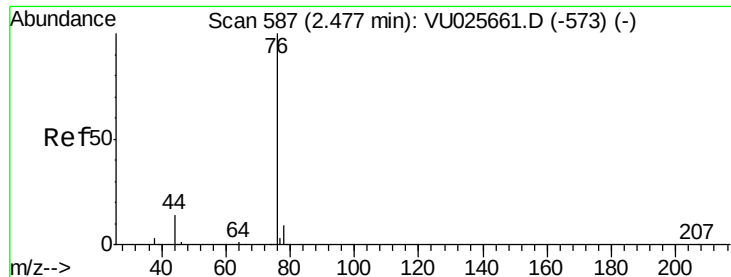
Delta R.T. -0.00 min

Lab File: VU025664.D

Acq: 27 Jul 2018 12:56

Tgt Ion:	43	Resp:	373704
Ion	Ratio	Lower	Upper
43	100		
58	31.0	23.1	34.7





#17

Carbon Disulfide

Concen: 52.82 ug/l

RT: 2.47 min Scan# 586

Delta R.T. -0.00 min

Lab File: VU025664.D

Acq: 27 Jul 2018 12:56

Instrument :

MSVOA_U

ClientSampleId :

ICVVU072718

Tot Ion: 76 Resp: 372728

Ion Ratio Lower Upper

76 100

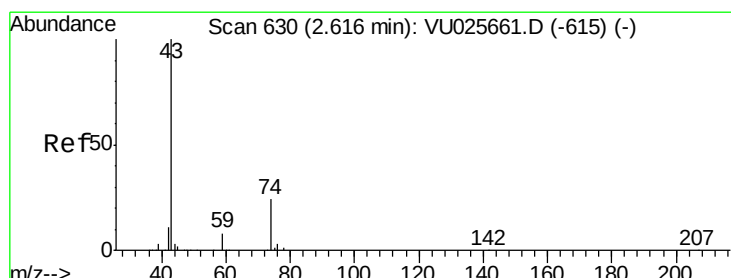
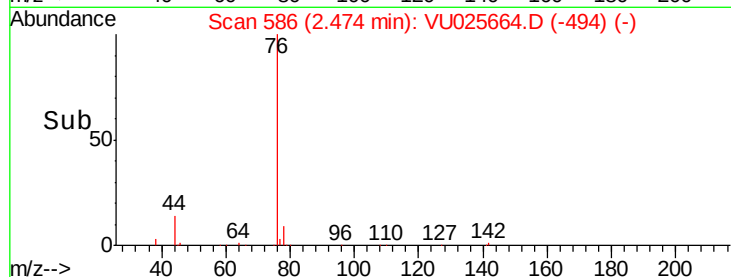
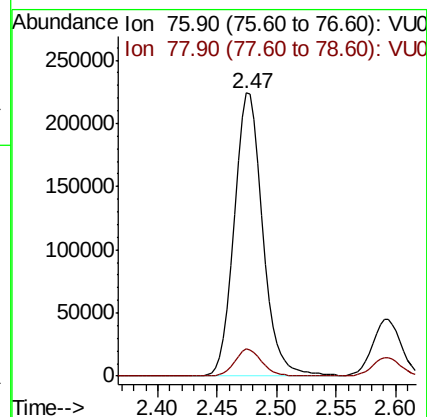
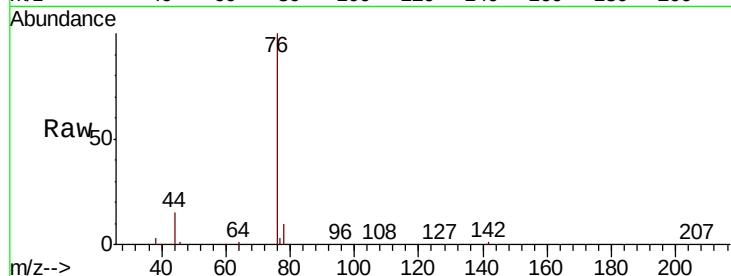
78 9.5 7.4 11.2

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7/31/2018 3:48:24 PM



#18

Methyl Acetate

Concen: 53.31 ug/l

RT: 2.62 min Scan# 630

Delta R.T. 0.00 min

Lab File: VU025664.D

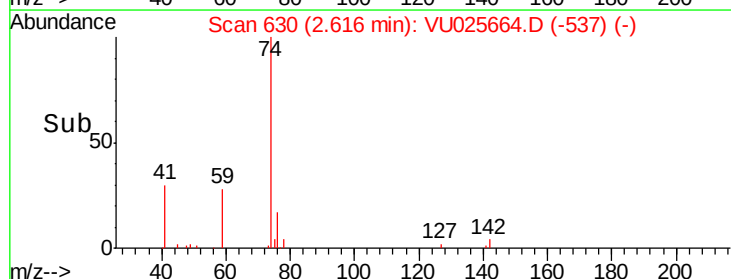
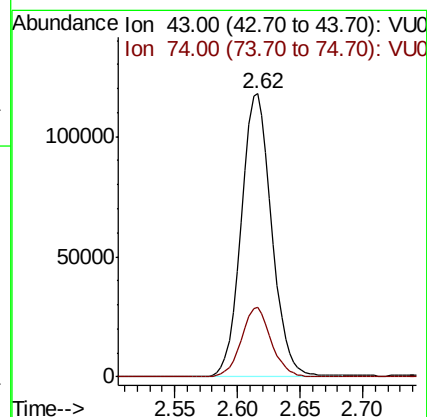
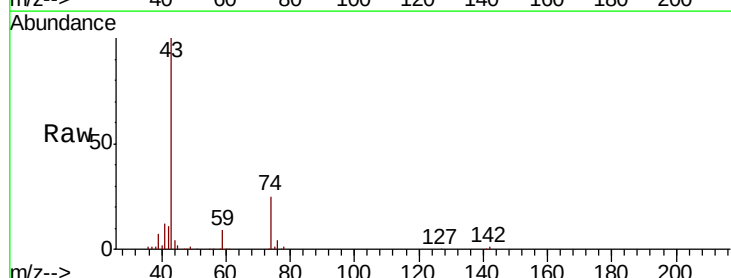
Acq: 27 Jul 2018 12:56

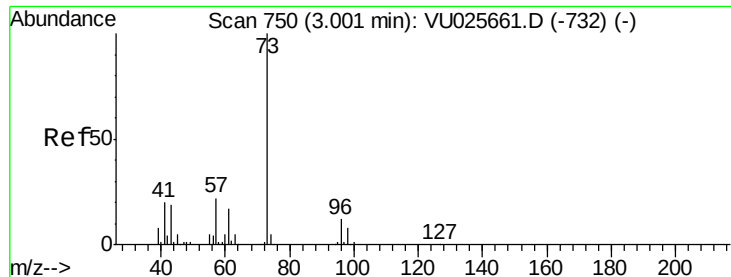
Tgt Ion: 43 Resp: 197931

Ion Ratio Lower Upper

43 100

74 24.3 18.5 27.7





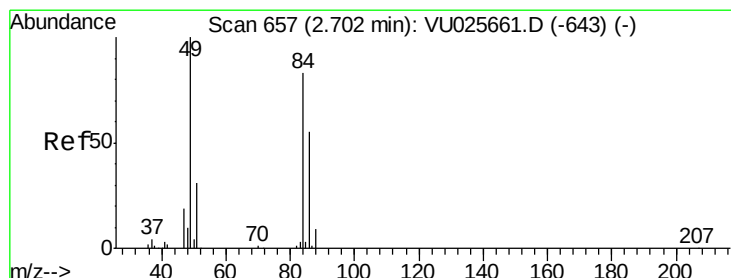
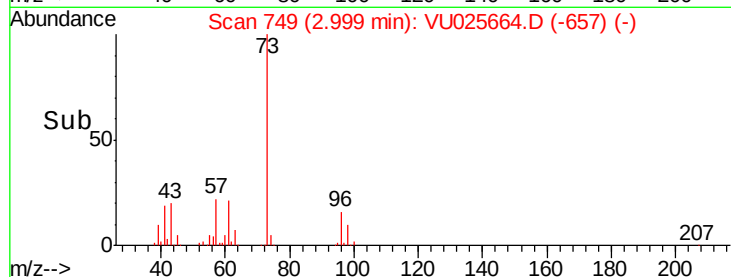
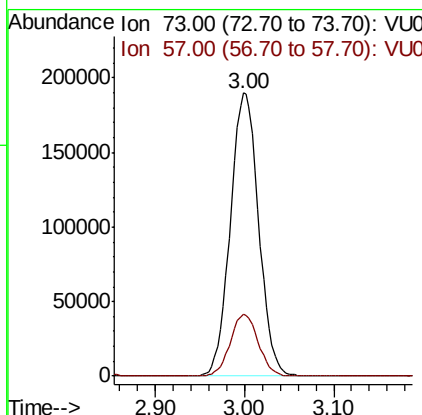
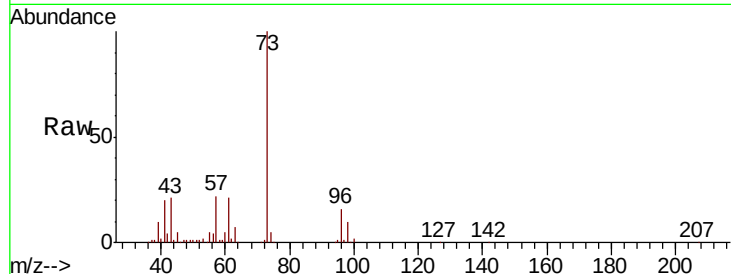
#19
Methvl tert-butvl Ether
Concen: 52.71 ug/l
RT: 3.00 min Scan# 749
Delta R.T. -0.00 min
Lab File: VU025664.D
Acq: 27 Jul 2018 12:56

Instrument :
MSVOA_U
ClientSampleId :
ICVVU072718

Tot Ion	73	Resp	416451
Ion Ratio	100	Lower	Upper
73	100		
57	21.7	17.4	26.2

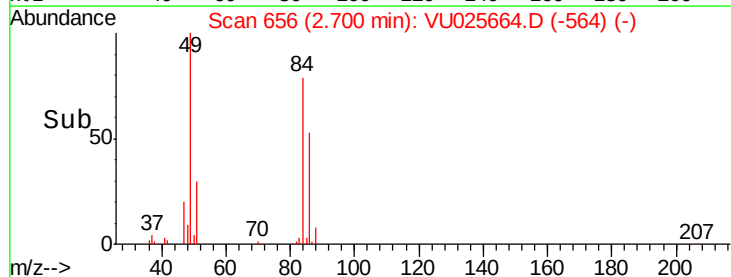
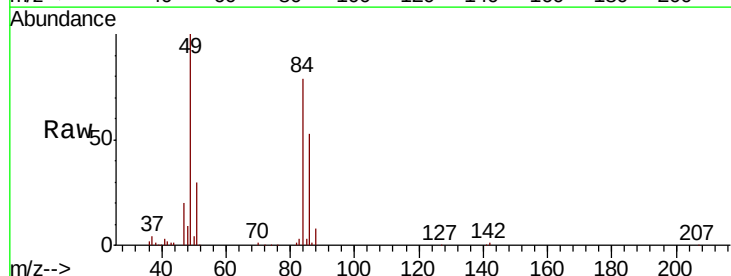
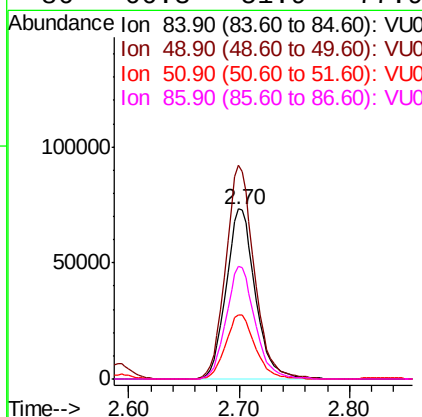
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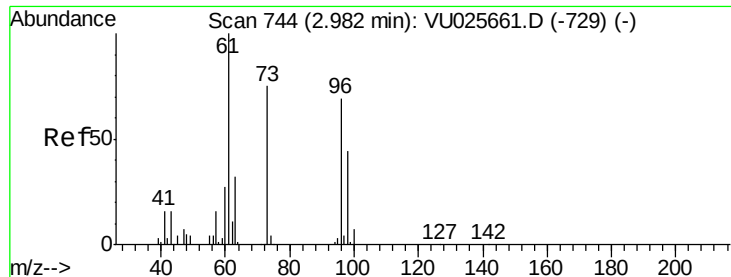
MMDadoda
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#20
Methylene Chloride
Concen: 49.08 ug/l
RT: 2.70 min Scan# 656
Delta R.T. -0.00 min
Lab File: VU025664.D
Acq: 27 Jul 2018 12:56

Tgt Ion	84	Resp	134183
Ion Ratio	100	Lower	Upper
84	100		
49	125.8	101.8	152.6
51	38.0	30.8	46.2
86	66.3	51.9	77.9





#21

trans-1,2-Dichloroethene

Concen: 52.28 ug/l

RT: 2.98 min Scan# 744

Delta R.T. 0.00 min

Lab File: VU025664.D

Acq: 27 Jul 2018 12:56

Instrument :

MSVOA_U

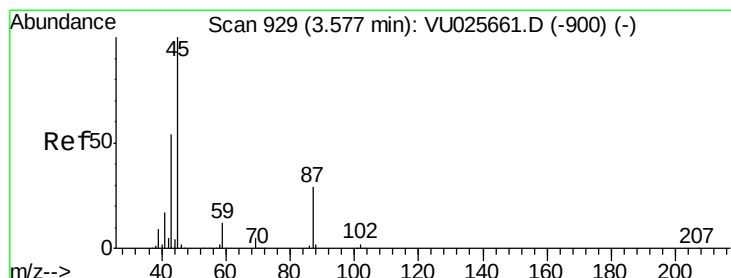
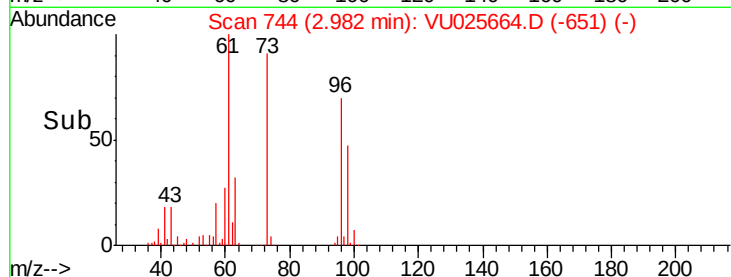
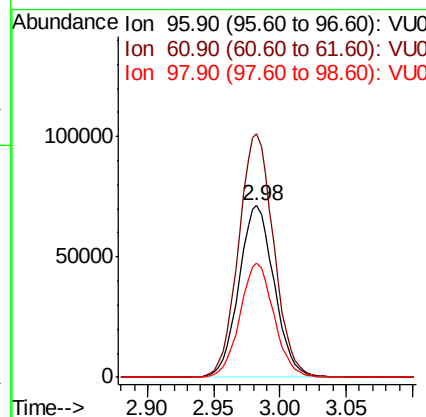
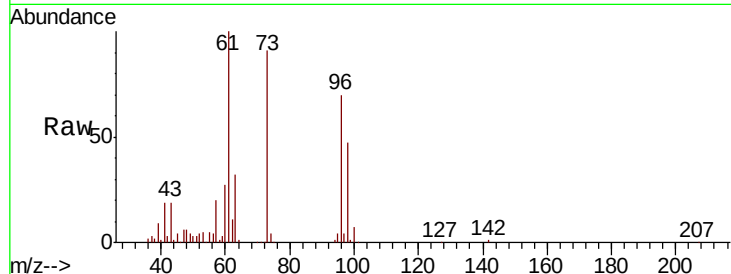
ClientSampled :

ICVVU072718

Tot Ion:	96	Resp:	131768
Ion	Ratio	Lower	Upper
96	100		
61	142.1	114.5	171.7
98	66.6	50.5	75.7

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#22

Diisopropyl ether

Concen: 52.30 ug/l

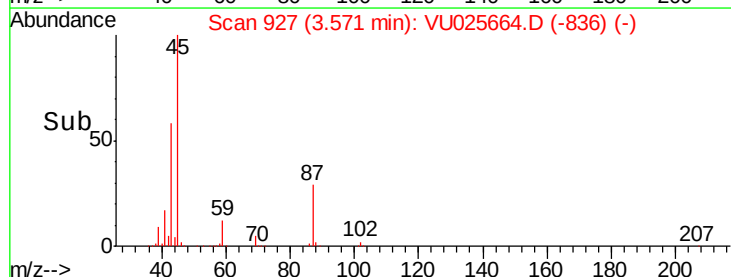
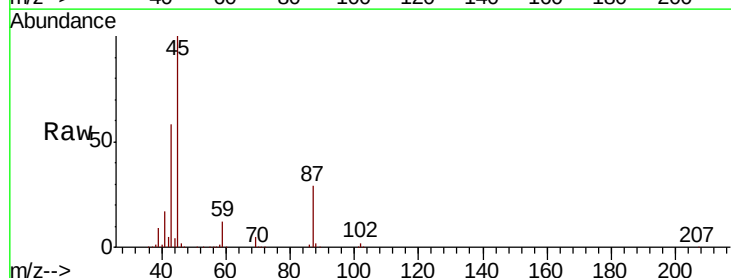
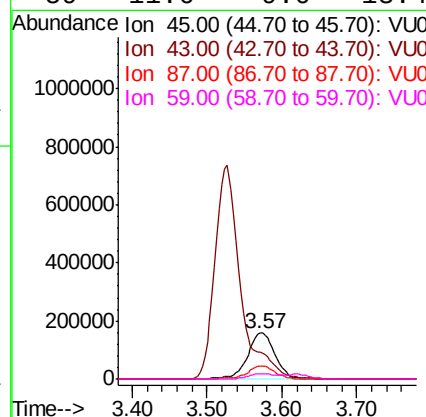
RT: 3.57 min Scan# 927

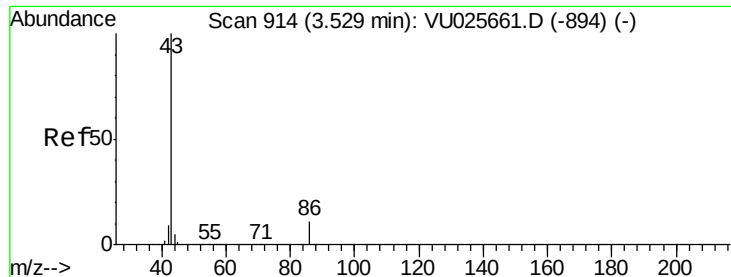
Delta R.T. -0.01 min

Lab File: VU025664.D

Acq: 27 Jul 2018 12:56

Tgt Ion:	45	Resp:	403858
Ion	Ratio	Lower	Upper
45	100		
43	57.0	50.9	76.3
87	29.0	23.8	35.8
59	11.6	9.0	13.4





#23

Vinyl Acetate

Concen: 260.78 ug/l

RT: 3.53 min Scan# 913

Delta R.T. -0.00 min

Lab File: VU025664.D

Acq: 27 Jul 2018 12:56

Instrument :

MSVOA_U

ClientSampleId :

ICVVU072718

Tot Ion: 43 Resp: 1754795

Ion Ratio Lower Upper

43 100

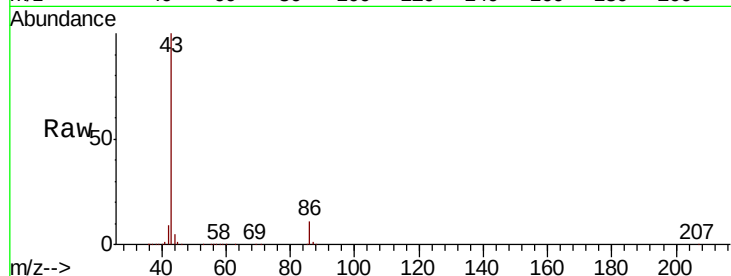
86 10.7 8.2 12.2

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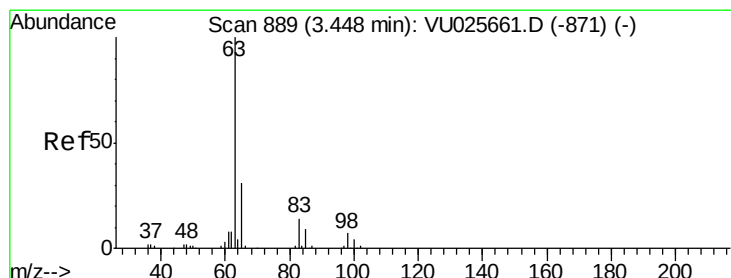
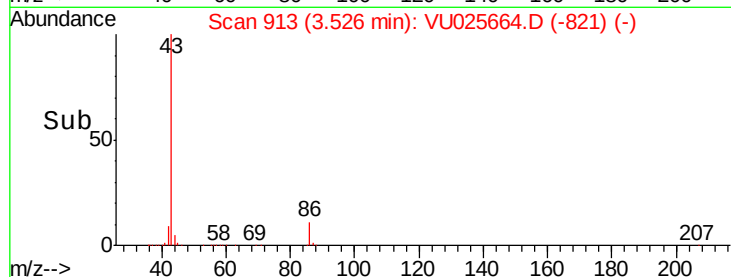
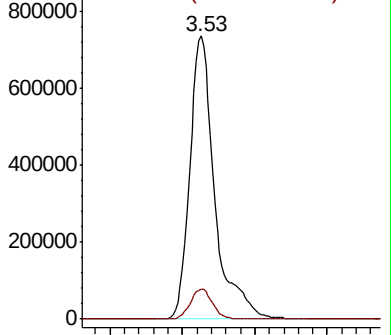
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 86.00 (85.70 to 86.70): VU0



#24

1,1-Dichloroethane

Concen: 51.65 ug/l

RT: 3.45 min Scan# 888

Delta R.T. -0.00 min

Lab File: VU025664.D

Acq: 27 Jul 2018 12:56

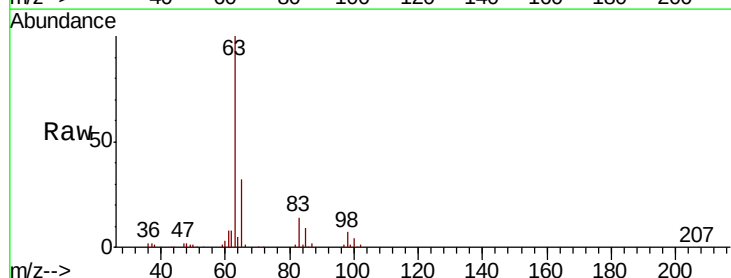
Tgt Ion: 63 Resp: 239385

Ion Ratio Lower Upper

63 100

98 7.0 3.4 10.1

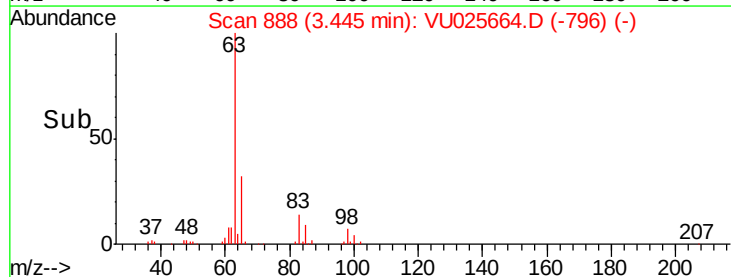
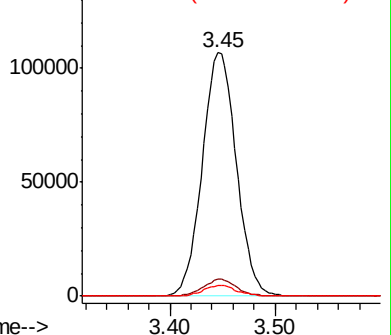
100 4.4 2.0 6.0

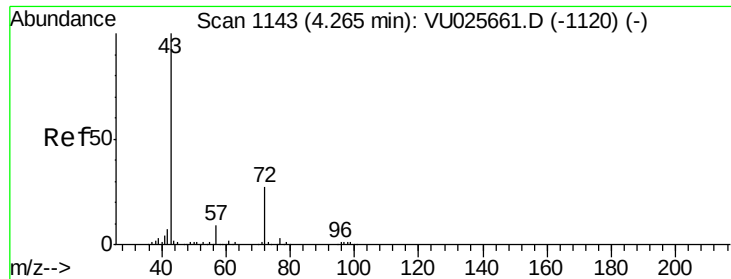


Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

Ion 99.90 (99.60 to 100.60): VU0





#25

2-Butanone

Concen: 257.18 ug/l

RT: 4.26 min Scan# 1142

Delta R.T. -0.00 min

Lab File: VU025664.D

Acq: 27 Jul 2018 12:56

Instrument :

MSVOA_U

ClientSampleId :

ICVVU072718

Tot Ion: 43 Resp: 540050

Ion Ratio Lower Upper

43 100

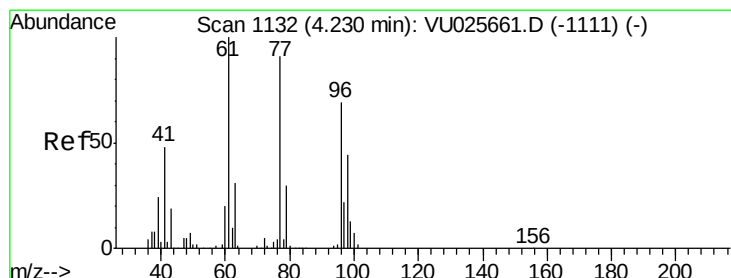
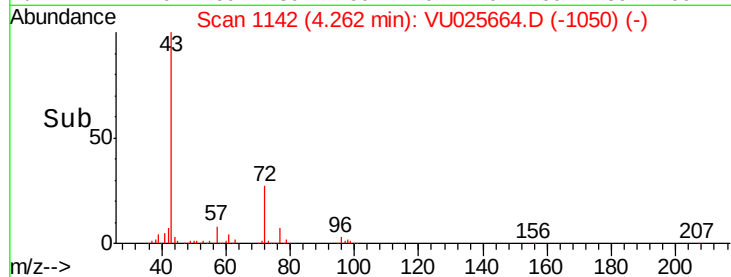
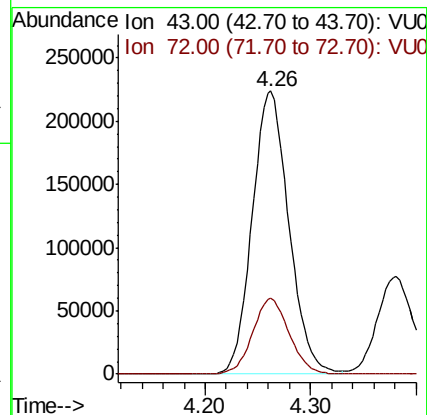
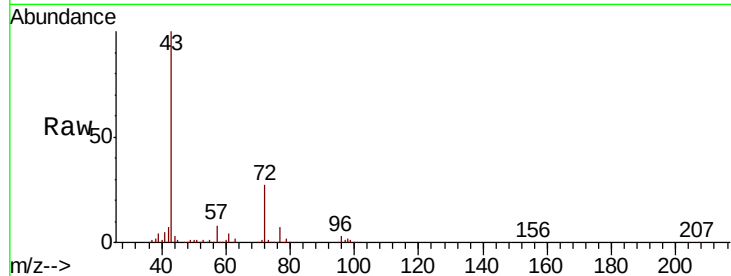
72 27.1 21.0 31.4

Manual Integrations

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7/31/2018 3:48:24 PM



#26

2,2-Dichloropropane

Concen: 53.32 ug/l

RT: 4.23 min Scan# 1132

Delta R.T. 0.00 min

Lab File: VU025664.D

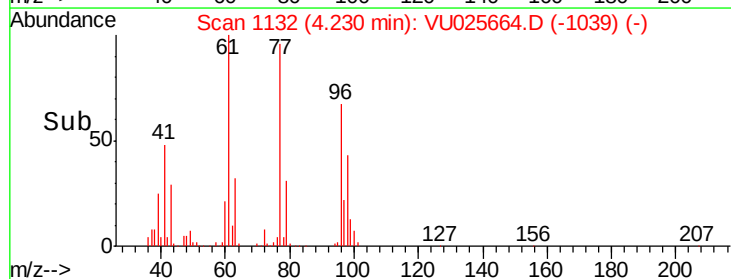
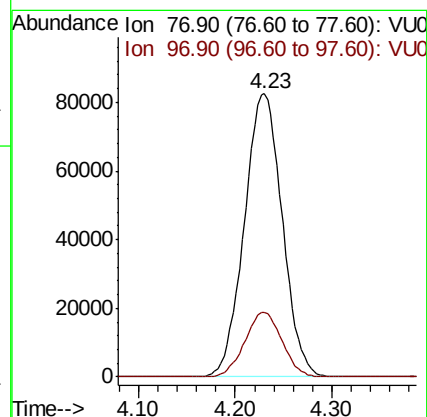
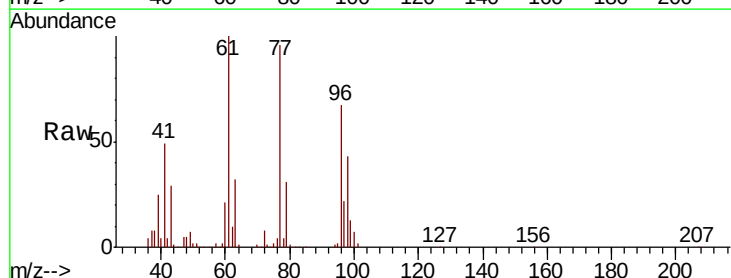
Acq: 27 Jul 2018 12:56

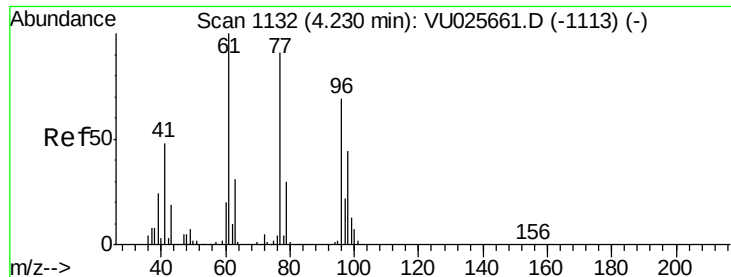
Tgt Ion: 77 Resp: 224637

Ion Ratio Lower Upper

77 100

97 22.4 11.2 33.5





#27

cis-1,2-Dichloroethene

Concen: 51.28 ug/l

RT: 4.23 min Scan# 1131

Delta R.T. -0.00 min

Lab File: VU025664.D

Acq: 27 Jul 2018 12:56

Instrument :

MSVOA_U

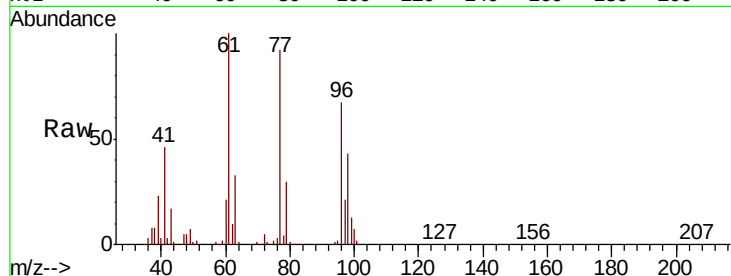
ClientSampleId :

ICVVU072718

Tot Ion:	96	Resp:	145727
Ion	Ratio	Lower	Upper
96	100		
61	149.4	0.0	299.8
98	64.2	0.0	128.6

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7/31/2018 3:48:24 PM

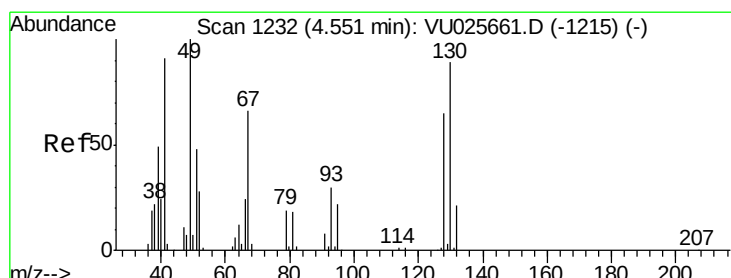
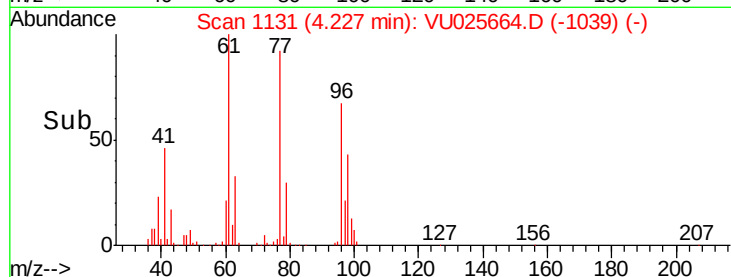
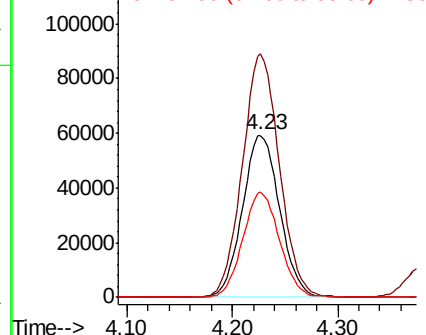


Abundance

Ion 95.90 (95.60 to 96.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

Ion 97.90 (97.60 to 98.60): VU0



#28

Bromochloromethane

Concen: 54.92 ug/l

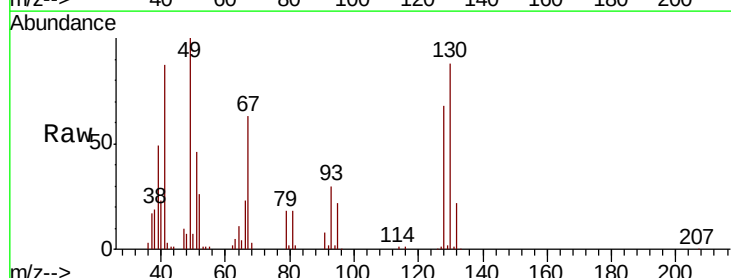
RT: 4.55 min Scan# 1231

Delta R.T. -0.00 min

Lab File: VU025664.D

Acq: 27 Jul 2018 12:56

Tgt Ion:	49	Resp:	113822
Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.6
130	86.8	68.6	102.8

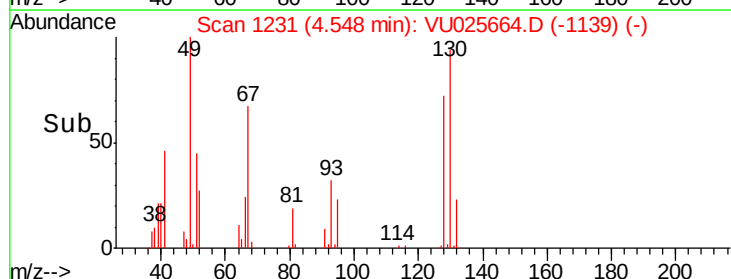
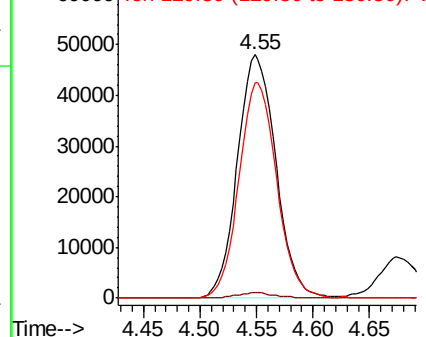


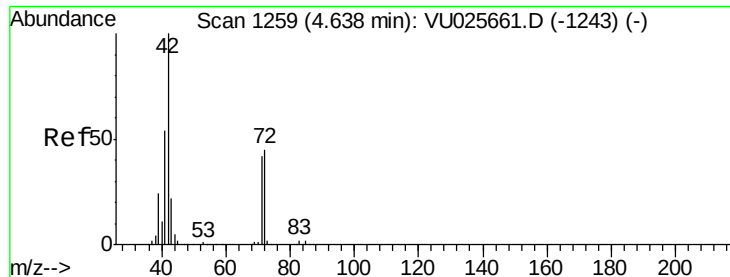
Abundance

Ion 48.90 (48.60 to 49.60): VU0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





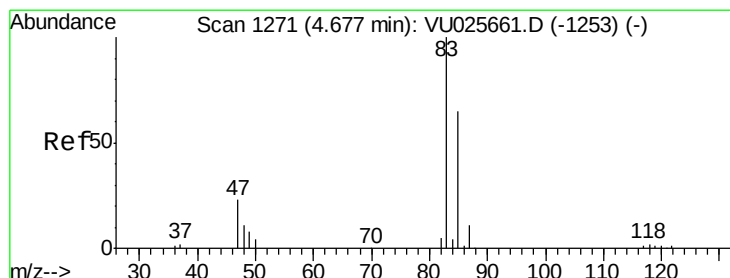
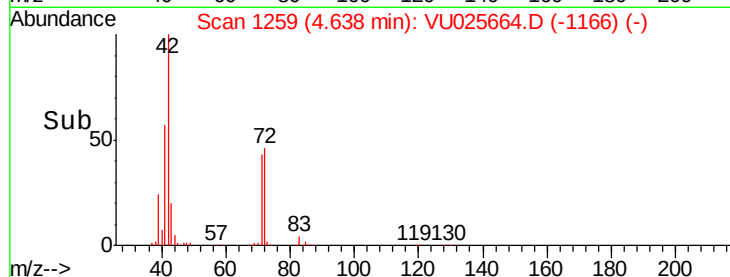
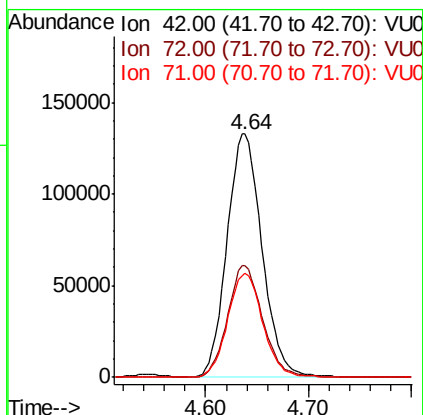
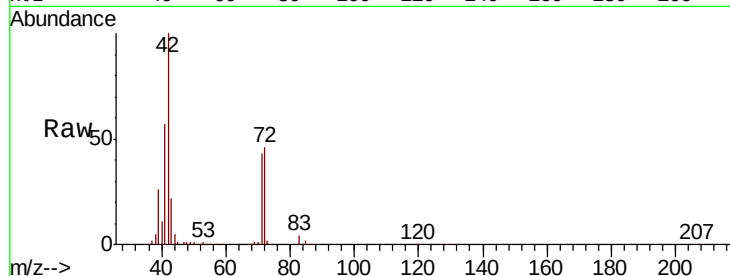
#29
Tetrahydrofuran
Concen: 248.31 ug/l
RT: 4.64 min Scan# 1259
Delta R.T. 0.00 min
Lab File: VU025664.D
Acq: 27 Jul 2018 12:56

Instrument :
MSVOA_U
ClientSampleId :
ICVVU072718

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.2	36.7	55.1
71	43.0	33.9	50.9

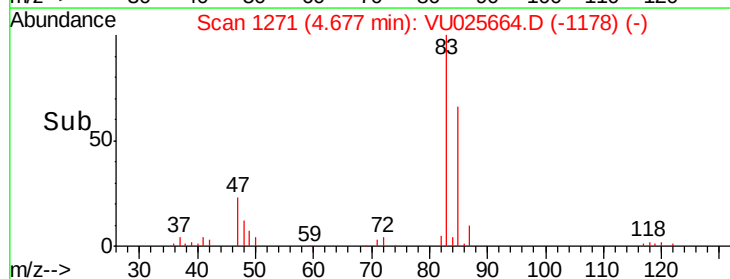
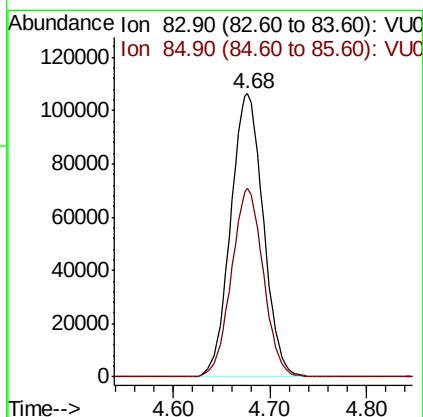
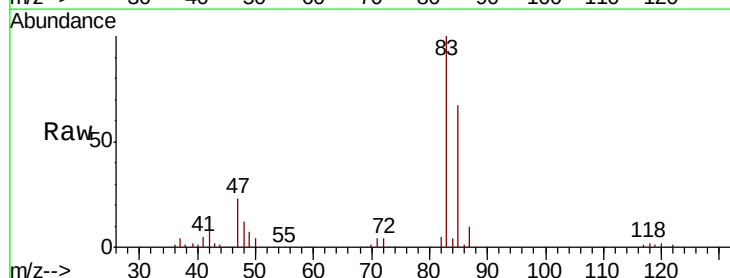
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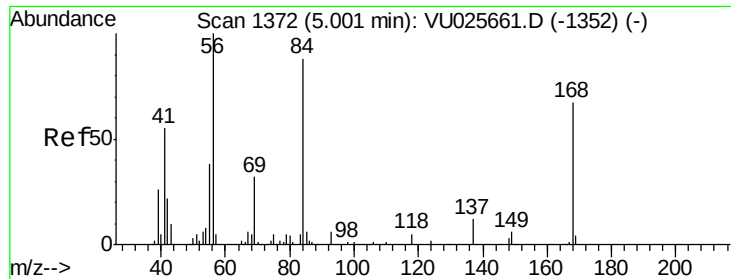
MMDadoda
7/31/2018 3:48:24 PM



#30
Chloroform
Concen: 50.77 ug/l
RT: 4.68 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VU025664.D
Acq: 27 Jul 2018 12:56

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.6	51.5	77.3





#31

Cyclohexane

Concen: 53.17 ug/l

RT: 5.00 min Scan# 1371

Delta R.T. -0.00 min

Lab File: VU025664.D

Acq: 27 Jul 2018 12:56

Instrument :

MSVOA_U

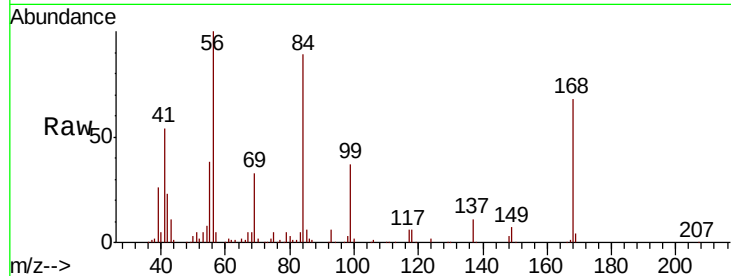
ClientSampleId :

ICVVU072718

Tot Ion:	56	Resp:	214025
Ion	Ratio	Lower	Upper
56	100		
69	32.9	26.8	40.2
84	87.8	69.7	104.5

Manual Integrations
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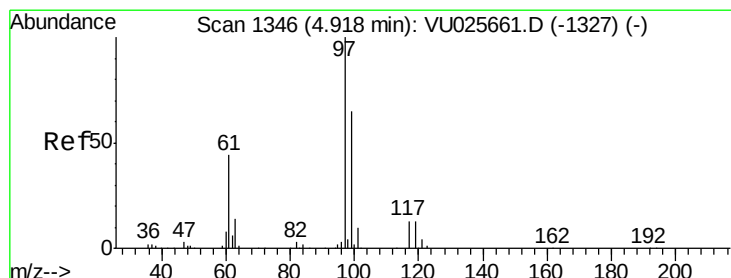
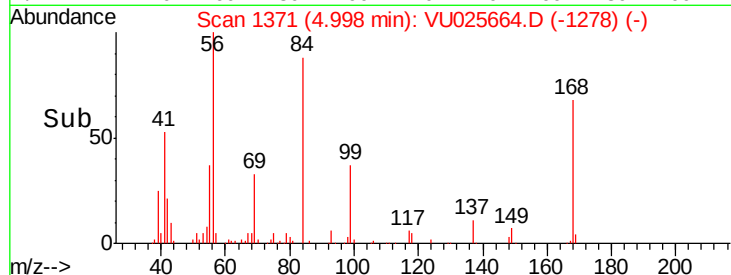
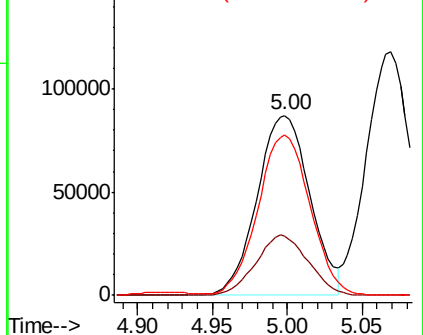


Abundance

Ion 56.00 (55.70 to 56.70): VU0

Ion 69.00 (68.70 to 69.70): VU0

Ion 84.00 (83.70 to 84.70): VU0



#32

1,1,1-Trichloroethane

Concen: 51.90 ug/l

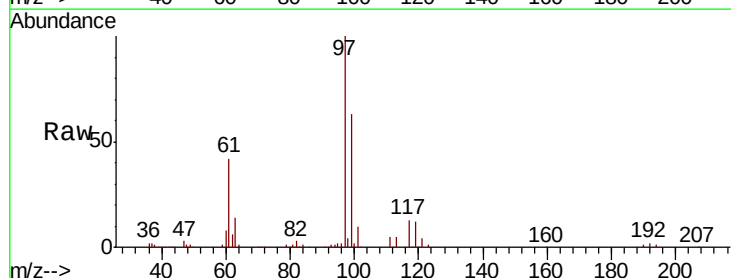
RT: 4.92 min Scan# 1346

Delta R.T. 0.00 min

Lab File: VU025664.D

Acq: 27 Jul 2018 12:56

Tgt Ion:	97	Resp:	228626
Ion	Ratio	Lower	Upper
97	100		
99	64.1	50.8	76.2
61	42.9	35.2	52.8

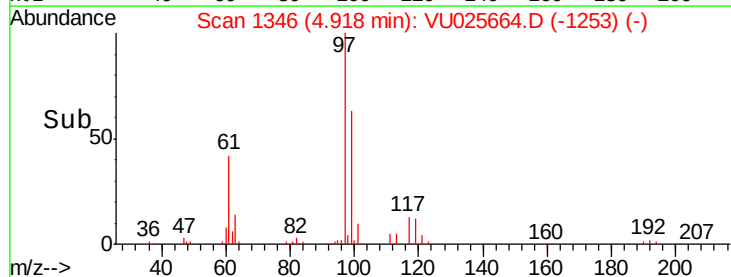
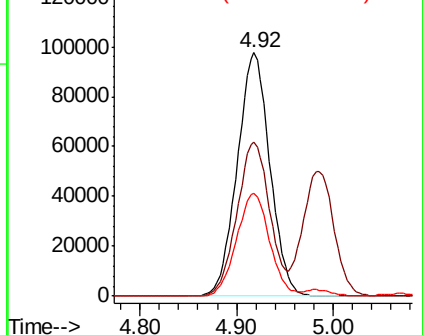


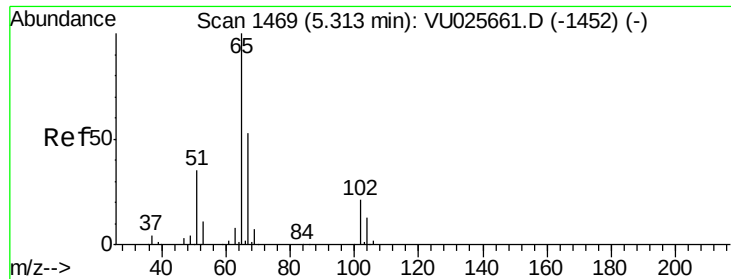
Abundance

Ion 96.90 (96.60 to 97.60): VU0

Ion 98.90 (98.60 to 99.60): VU0

Ion 60.90 (60.60 to 61.60): VU0





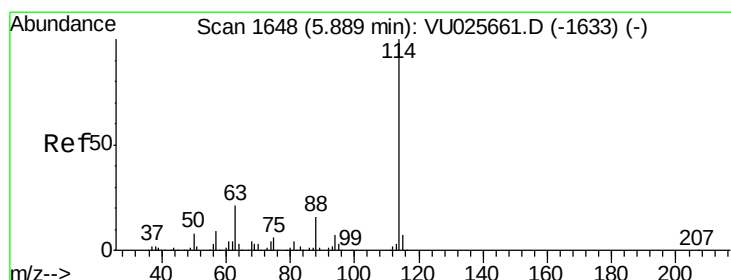
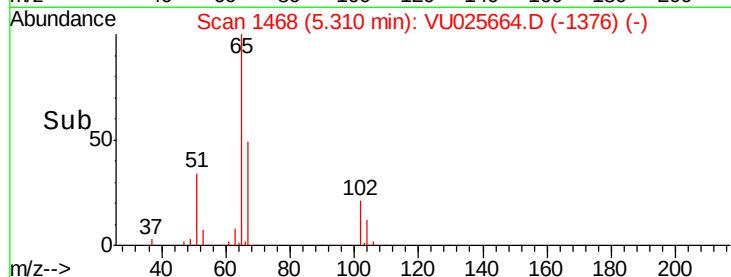
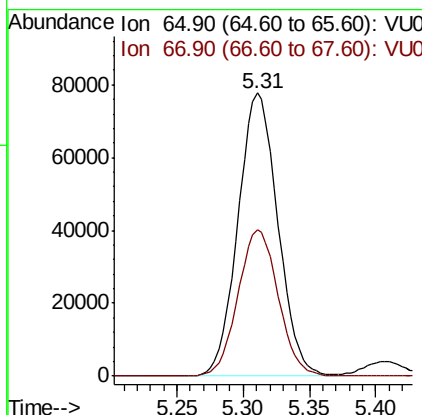
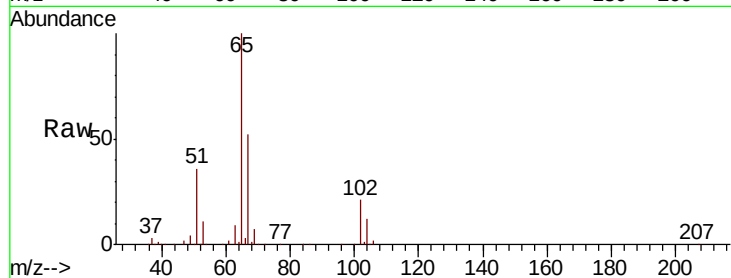
#33
 1,2-Dichloroethane-d4
 Concen: 51.47 ug/l
 RT: 5.31 min Scan# 1468
 Delta R.T. -0.00 min
 Lab File: VU025664.D
 Acq: 27 Jul 2018 12:56

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU072718

Tot Ion	Ratio	Resp	Lower	Upper
65	100	162842		
67	52.1	0.0	103.6	

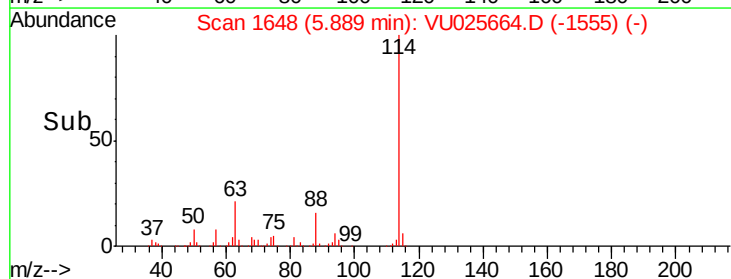
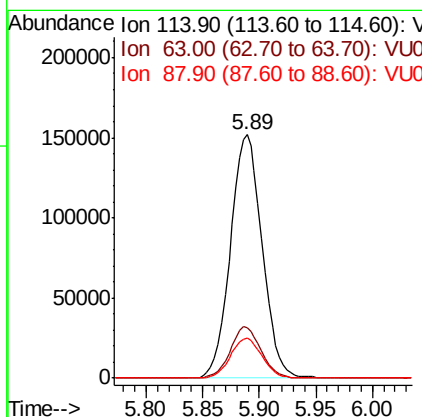
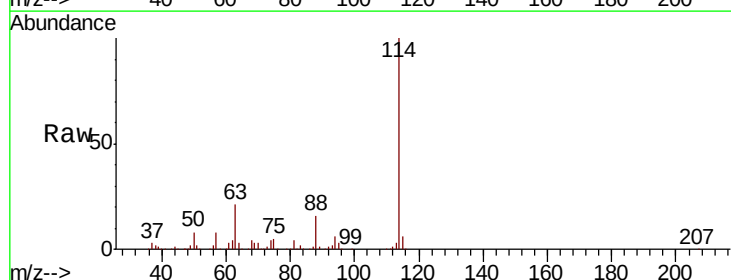
Manual Integrations
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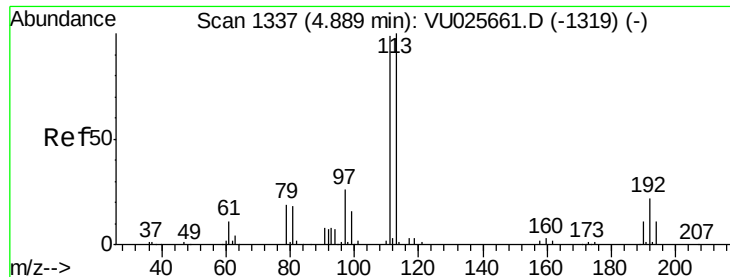
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.89 min Scan# 1648
 Delta R.T. 0.00 min
 Lab File: VU025664.D
 Acq: 27 Jul 2018 12:56

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	295709		
63	20.8	0.0	41.6	
88	16.3	0.0	32.4	





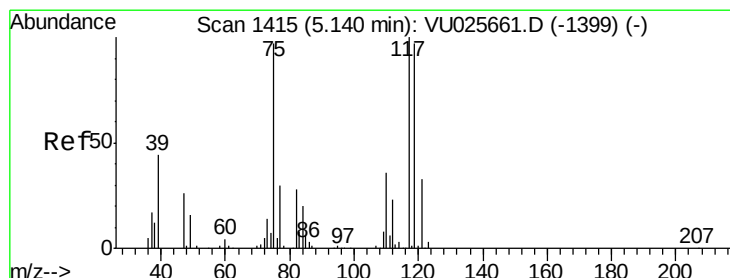
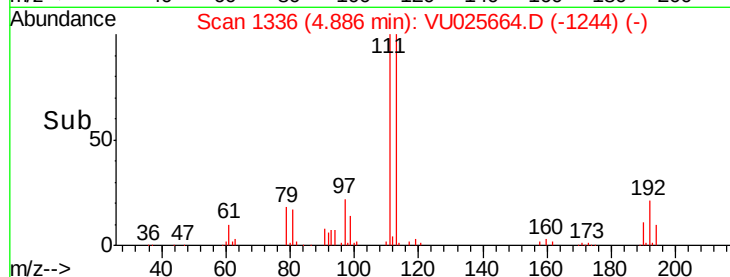
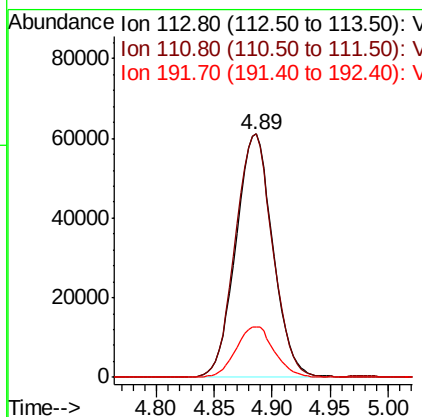
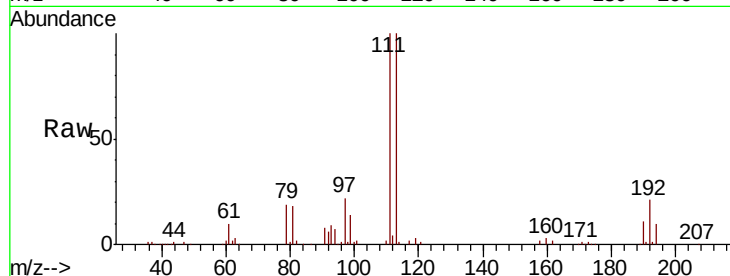
#35
 Dibromofluoromethane
 Concen: 52.75 ug/l
 RT: 4.89 min Scan# 1336
 Delta R.T. -0.00 min
 Lab File: VU025664.D
 Acq: 27 Jul 2018 12:56

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU072718

Tot Ion	Ratio	Lower	Upper
113	100		
111	100.7	81.7	122.5
192	21.4	17.1	25.7

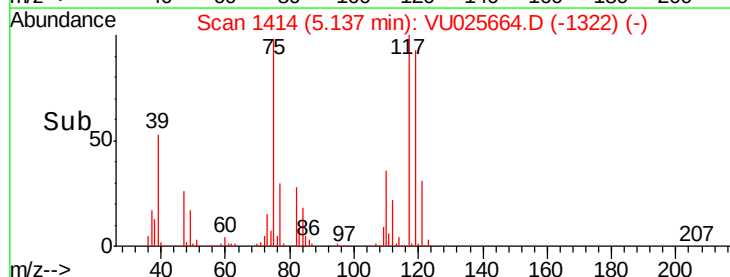
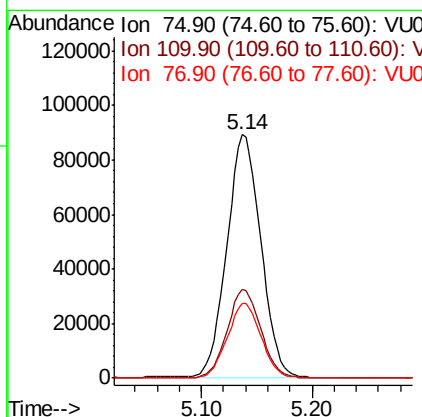
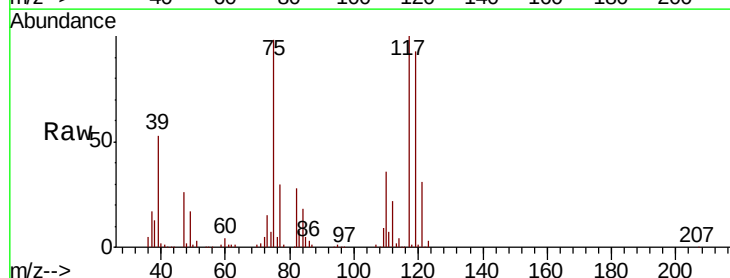
Manual Integrations
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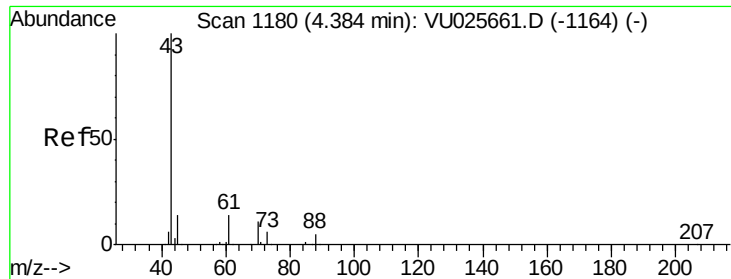
MMDadoda
 7/31/2018 3:48:24 PM



#36
 1,1-Dichloropropene
 Concen: 55.18 ug/l
 RT: 5.14 min Scan# 1414
 Delta R.T. -0.00 min
 Lab File: VU025664.D
 Acq: 27 Jul 2018 12:56

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.0	17.6	52.9
77	30.0	24.4	36.6





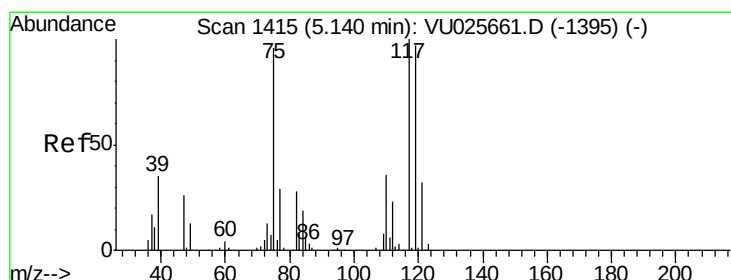
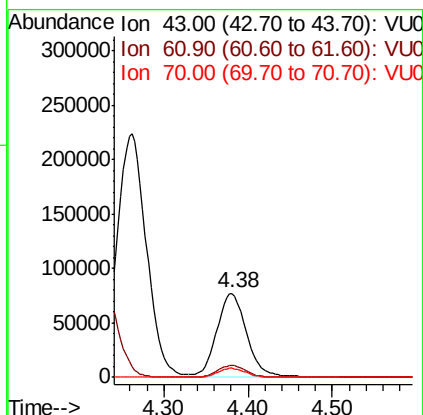
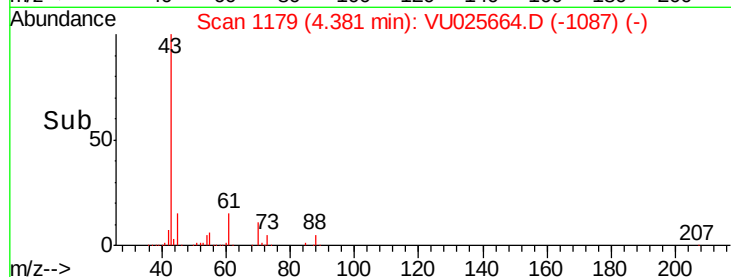
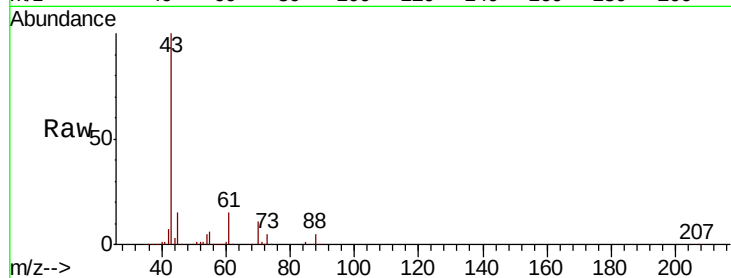
#37
Ethyl Acetate
Concen: 52.74 ug/l
RT: 4.38 min Scan# 1179
Delta R.T. -0.00 min
Lab File: VU025664.D
Acq: 27 Jul 2018 12:56

Instrument :
MSVOA_U
ClientSampleId :
ICVVU072718

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.1	10.7	16.1
70	10.2	8.4	12.6

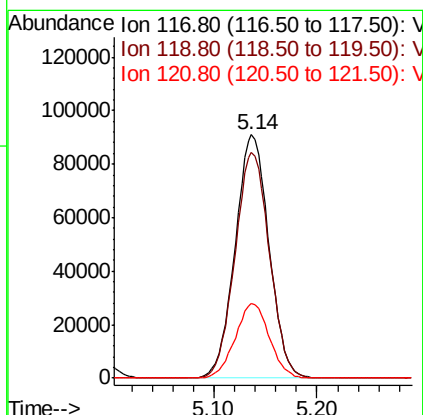
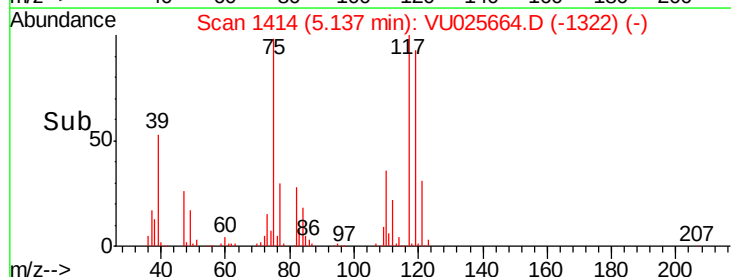
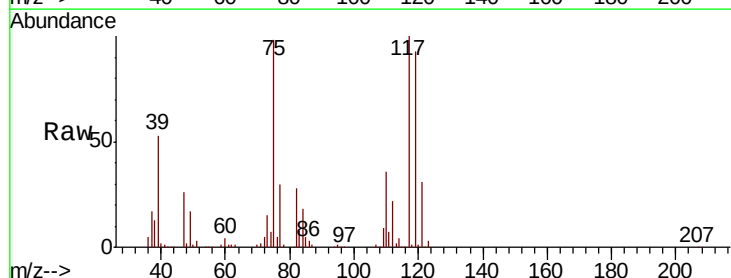
Manual Integrations
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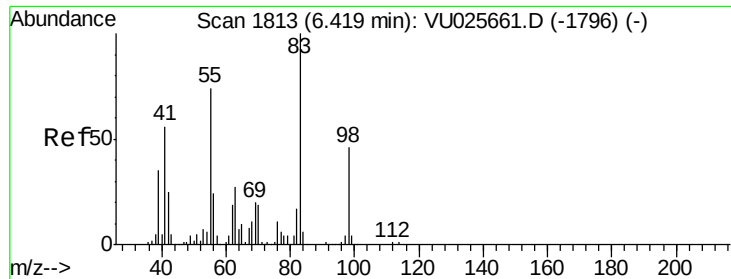
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#38
Carbon Tetrachloride
Concen: 53.05 ug/l
RT: 5.14 min Scan# 1414
Delta R.T. -0.00 min
Lab File: VU025664.D
Acq: 27 Jul 2018 12:56

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.7	75.7	113.5
121	30.7	24.6	36.8





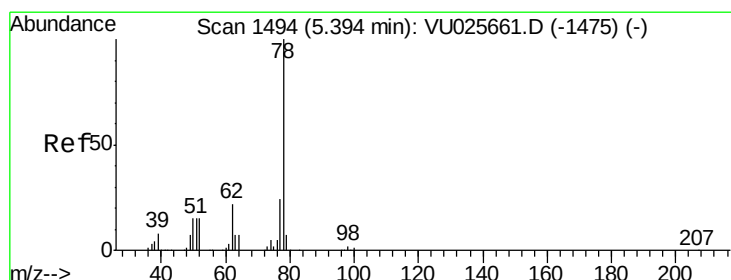
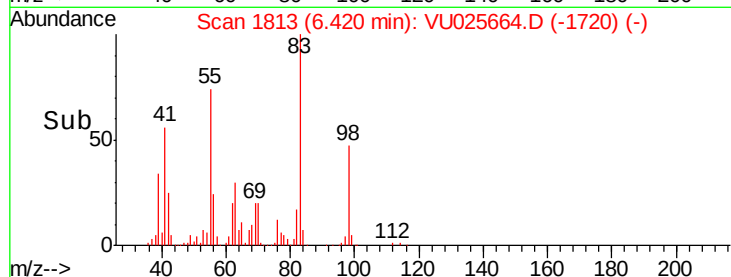
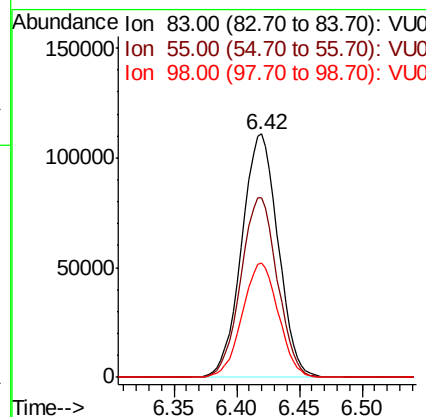
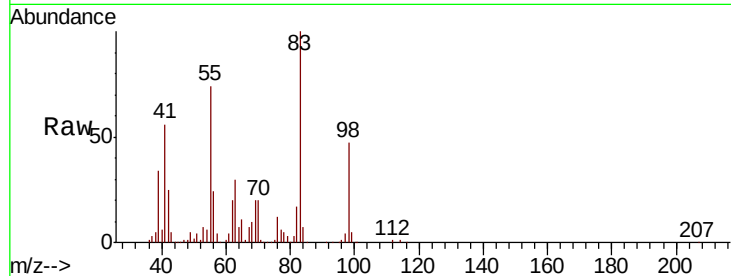
#39
Methylvlcyclohexane
Concen: 56.45 ug/l
RT: 6.42 min Scan# 1813
Delta R.T. 0.00 min
Lab File: VU025664.D
Acq: 27 Jul 2018 12:56

Instrument :
MSVOA_U
ClientSampleId :
ICVVU072718

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	74.0	60.0	90.0	
98	47.0	36.1	54.1	

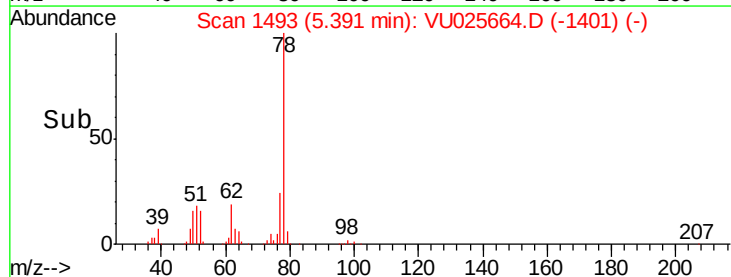
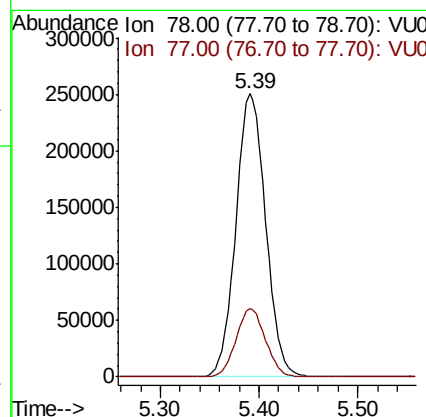
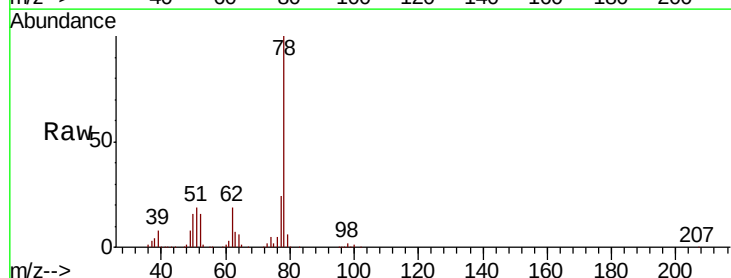
Manual Integrations
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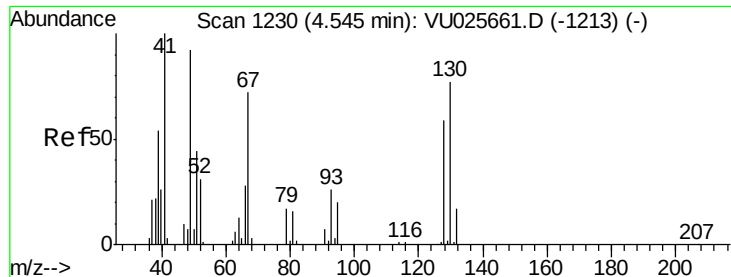
MMDadoda
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#40
Benzene
Concen: 52.10 ug/l
RT: 5.39 min Scan# 1493
Delta R.T. -0.00 min
Lab File: VU025664.D
Acq: 27 Jul 2018 12:56

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	24.0	19.8	29.6	





#41

Methacrylonitrile

Concen: 52.82 ug/l

RT: 4.54 min Scan# 1229

Delta R.T. -0.00 min

Lab File: VU025664.D

Acq: 27 Jul 2018 12:56

Instrument :

MSVOA_U

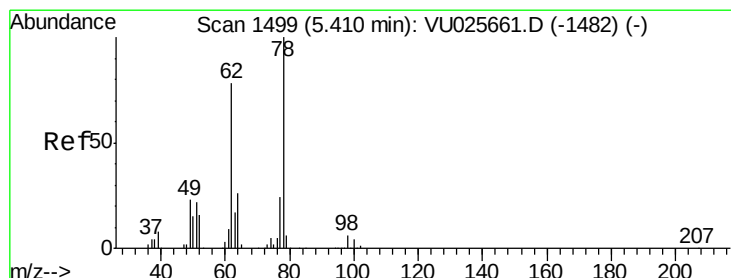
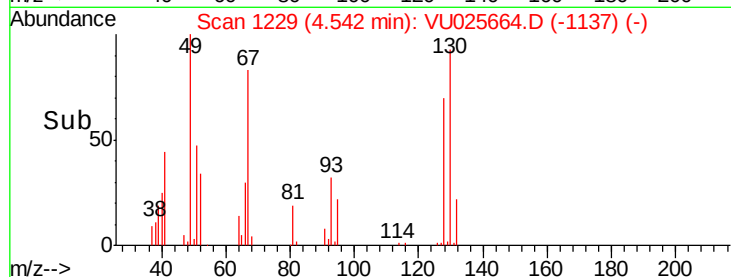
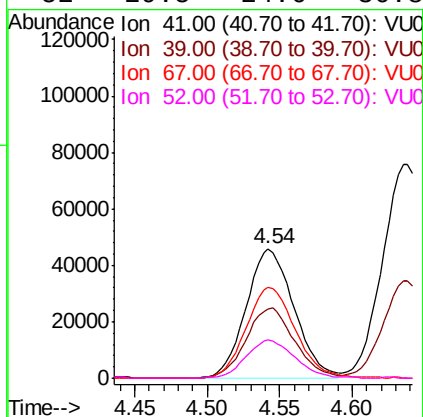
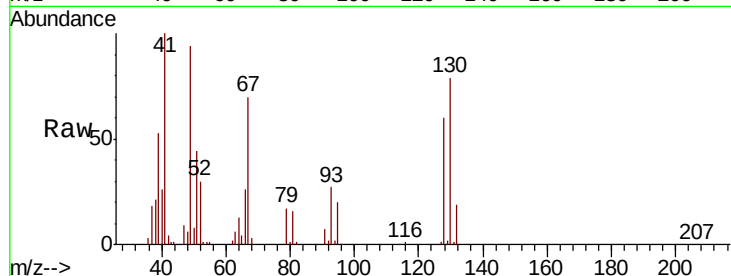
ClientSampleId :

ICVVU072718

Tot Ion	Ratio	Lower	Upper
41	100		
39	55.2	44.4	66.6
67	72.5	56.0	84.0
52	29.5	24.6	36.8

Manual Integrations
APPROVED

MMDadoda
7/31/2018 3:48:24 PM



#42

1,2-Dichloroethane

Concen: 52.02 ug/l

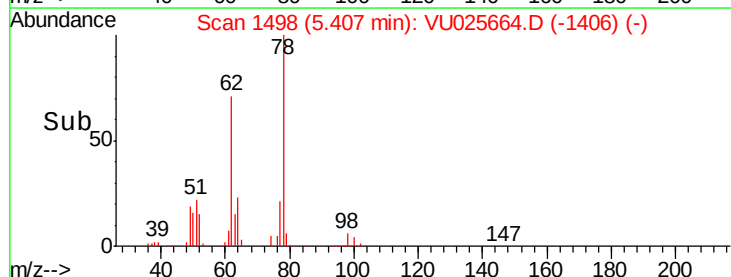
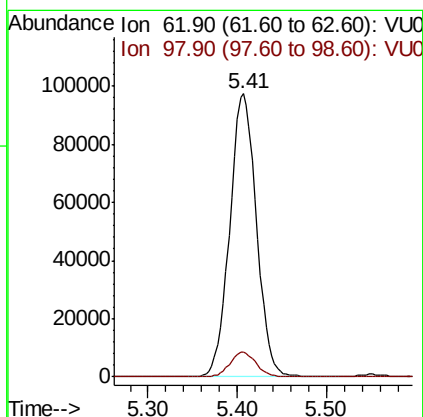
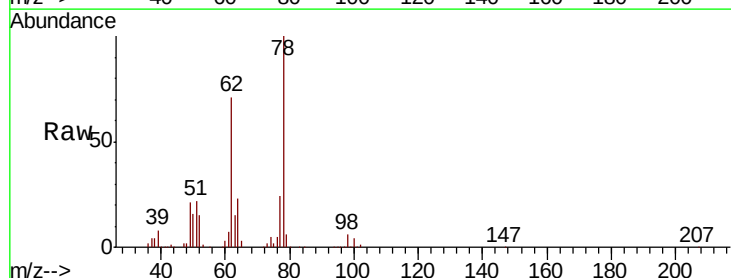
RT: 5.41 min Scan# 1498

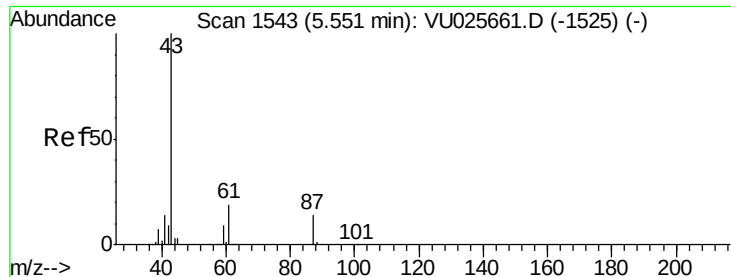
Delta R.T. -0.00 min

Lab File: VU025664.D

Acq: 27 Jul 2018 12:56

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.5	0.0	16.4





#43

Isopropyl Acetate

Concen: 52.22 ug/l

RT: 5.55 min Scan# 1542

Delta R.T. -0.00 min

Lab File: VU025664.D

Acq: 27 Jul 2018 12:56

Instrument :

MSVOA_U

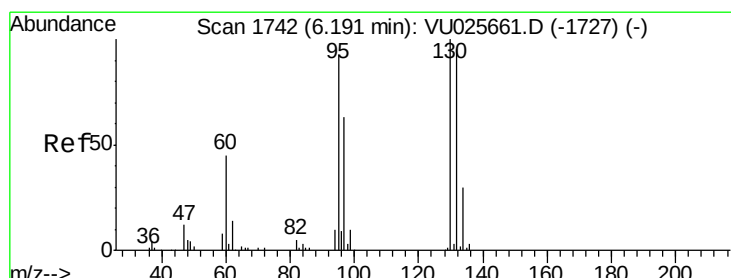
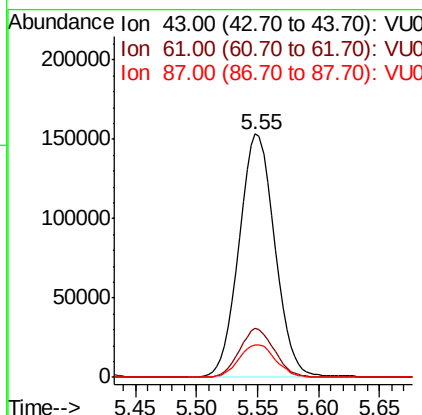
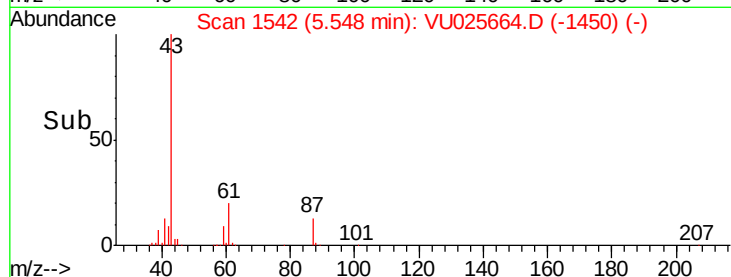
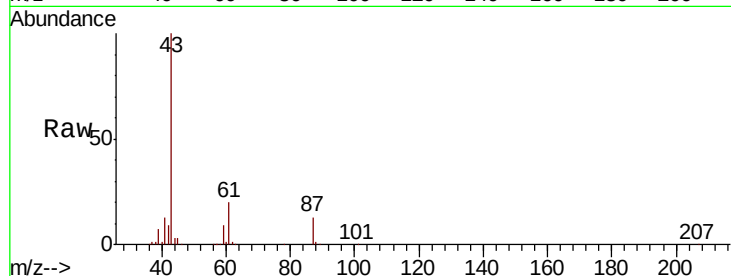
ClientSampleId :

ICVVU072718

Tot Ion:	43	Resp:	309199
Ion	Ratio	Lower	Upper
43	100		
61	19.6	15.5	23.3
87	13.7	10.6	16.0

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#44

Trichloroethene

Concen: 53.53 ug/l

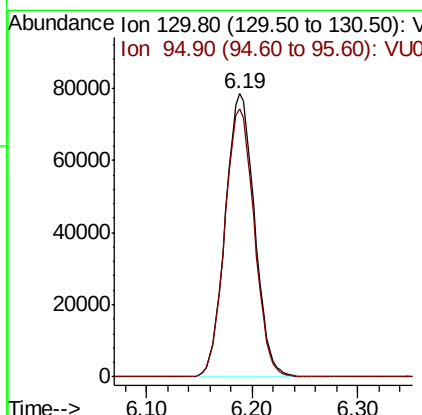
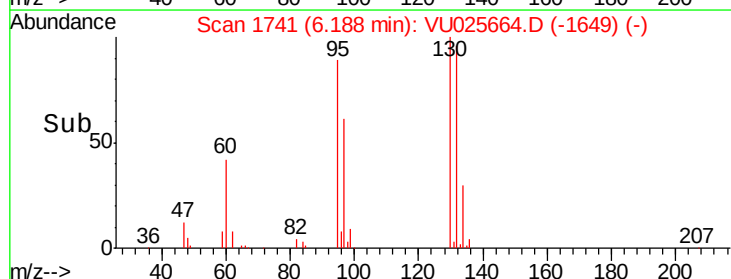
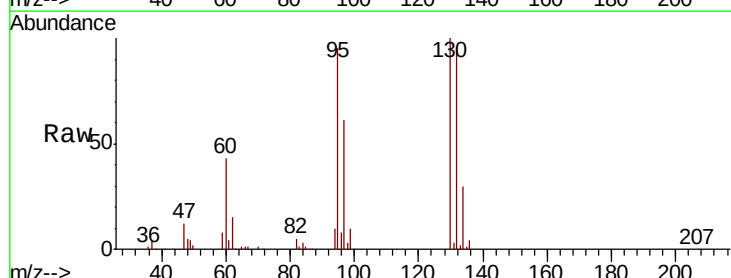
RT: 6.19 min Scan# 1741

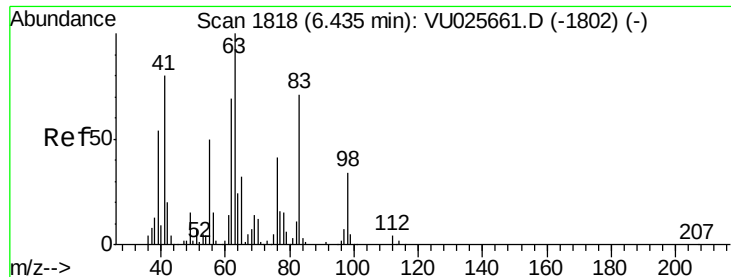
Delta R.T. -0.00 min

Lab File: VU025664.D

Acq: 27 Jul 2018 12:56

Tgt Ion:	130	Resp:	150582
Ion	Ratio	Lower	Upper
130	100		
95	94.9	0.0	192.2





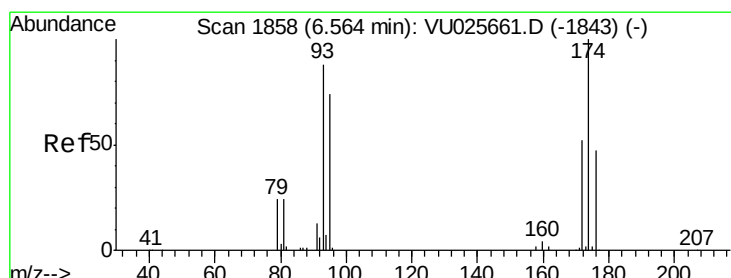
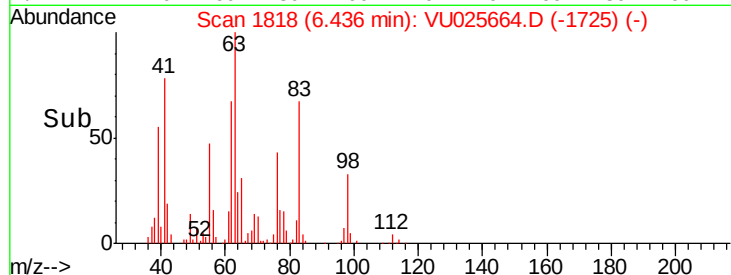
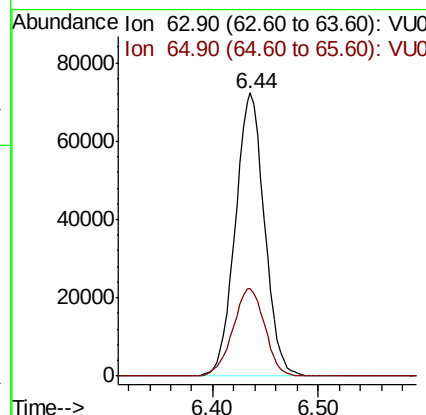
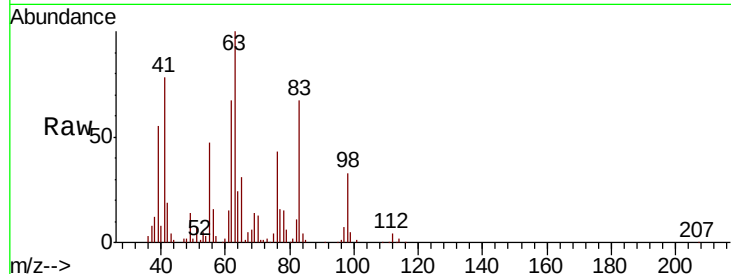
#45
 1,2-Dichloropropane
 Concen: 52.52 ug/l
 RT: 6.44 min Scan# 1818
 Delta R.T. 0.00 min
 Lab File: VU025664.D
 Acq: 27 Jul 2018 12:56

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU072718

Tot Ion: 63 Resp: 138375
 Ion Ratio Lower Upper
 63 100
 65 30.9 26.1 39.1

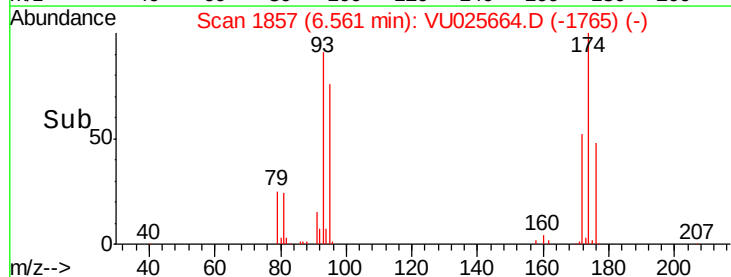
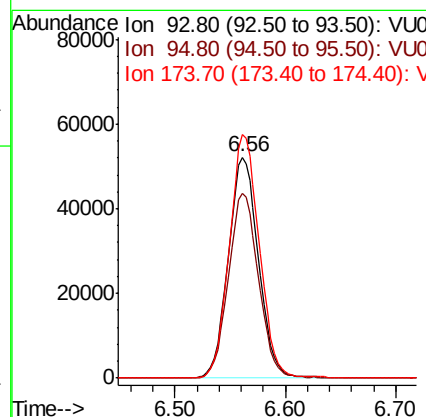
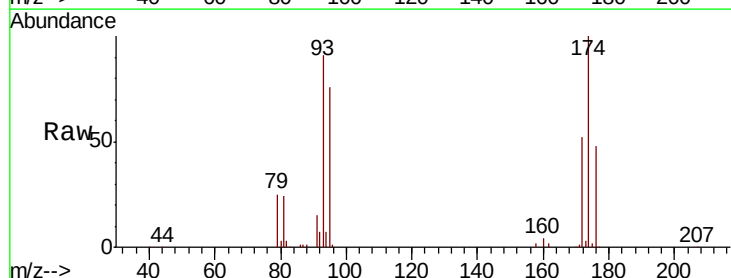
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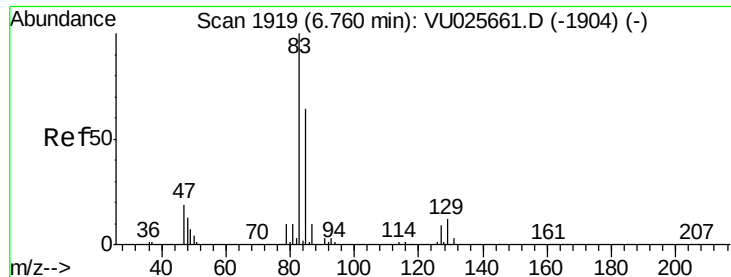
MMDadoda
 7/31/2018 3:48:24 PM



#46
 Dibromomethane
 Concen: 51.67 ug/l
 RT: 6.56 min Scan# 1857
 Delta R.T. -0.00 min
 Lab File: VU025664.D
 Acq: 27 Jul 2018 12:56

Tgt Ion: 93 Resp: 98626
 Ion Ratio Lower Upper
 93 100
 95 83.8 66.6 100.0
 174 109.1 85.8 128.8





#47

Bromodichloromethane

Concen: 52.89 ug/l

RT: 6.76 min Scan# 1919

Delta R.T. 0.00 min

Lab File: VU025664.D

Acq: 27 Jul 2018 12:56

Instrument :

MSVOA_U

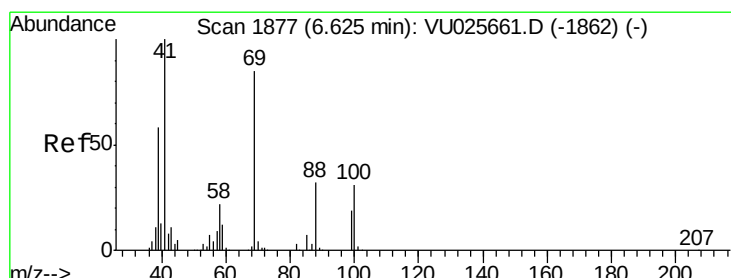
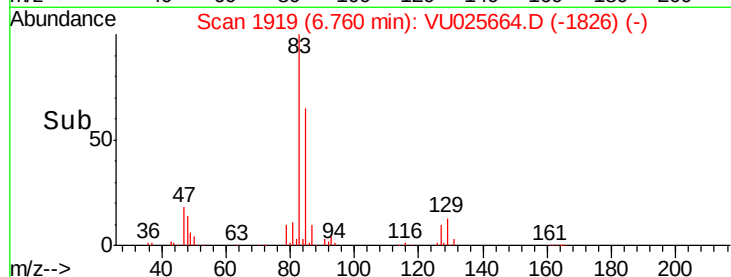
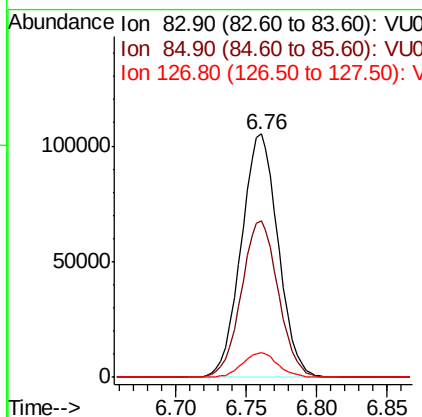
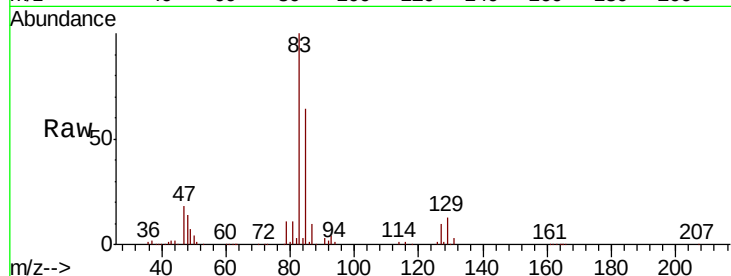
ClientSampleId :

ICVVU072718

Tot Ion	83	Resp	192602
Ion	Ratio	Lower	Upper
83	100		
85	64.1	50.2	75.4
127	10.0	7.2	10.8

Manual Integrations
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#48

Methyl methacrylate

Concen: 53.90 ug/l

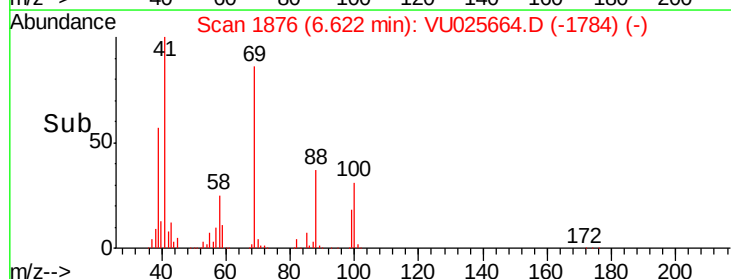
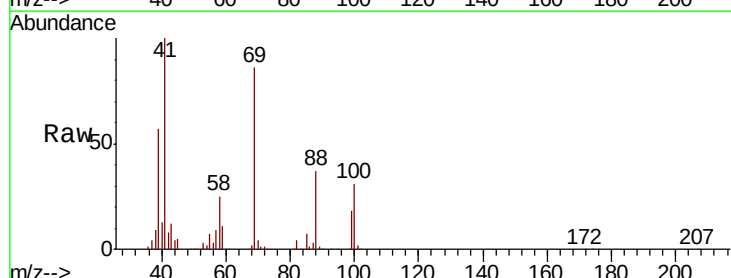
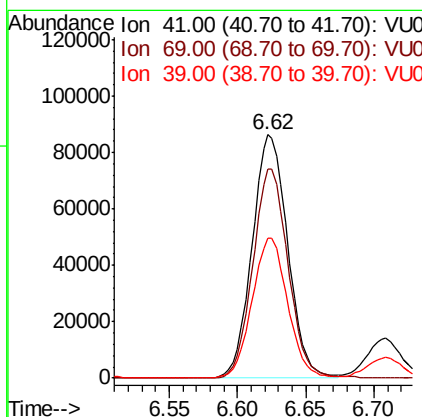
RT: 6.62 min Scan# 1876

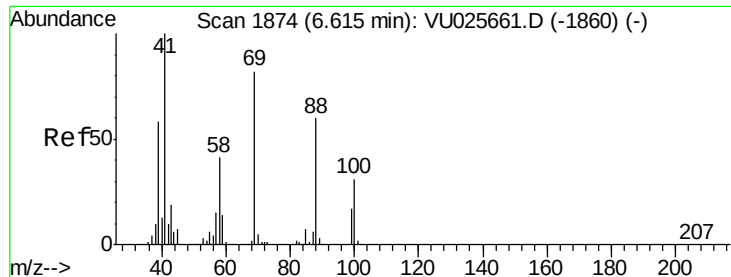
Delta R.T. -0.00 min

Lab File: VU025664.D

Acq: 27 Jul 2018 12:56

Tgt Ion	41	Resp	156433
Ion	Ratio	Lower	Upper
41	100		
69	85.3	65.0	97.4
39	57.5	46.4	69.6





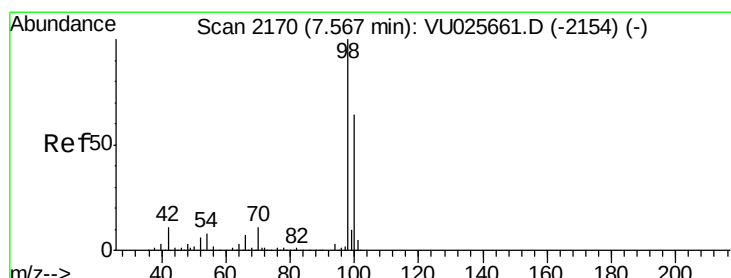
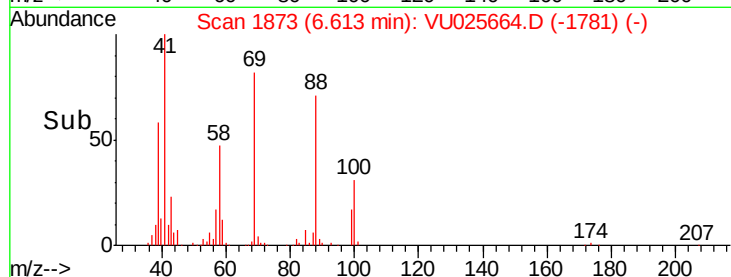
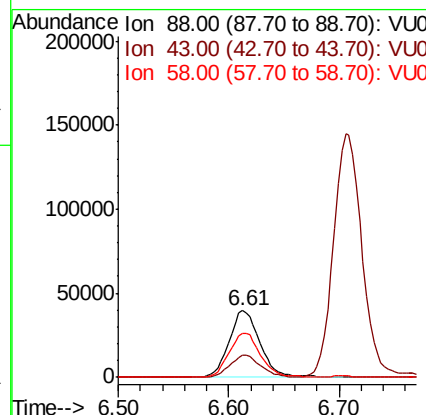
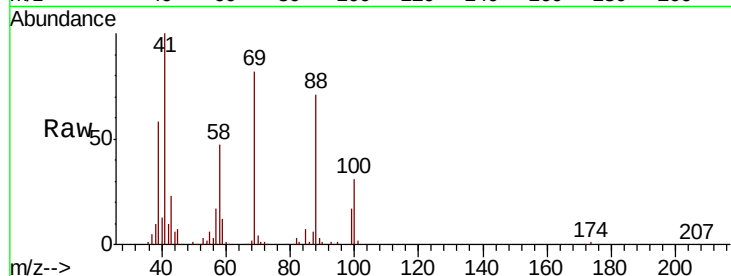
#49
1,4-Dioxane
Concen: 1072.46 ug/l
RT: 6.61 min Scan# 1873
Delta R.T. -0.00 min
Lab File: VU025664.D
Acq: 27 Jul 2018 12:56

Instrument :
MSVOA_U
ClientSampleId :
ICVVU072718

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.7	27.3	40.9
58	68.1	57.6	86.4

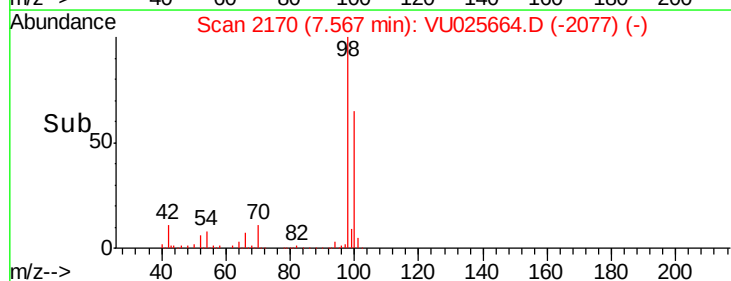
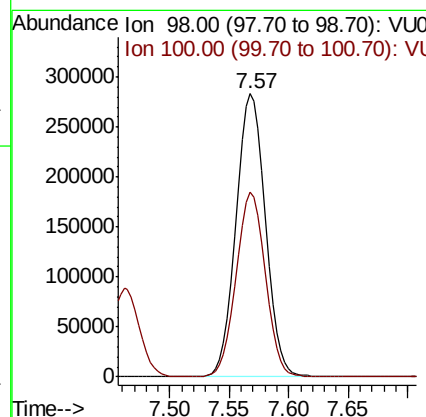
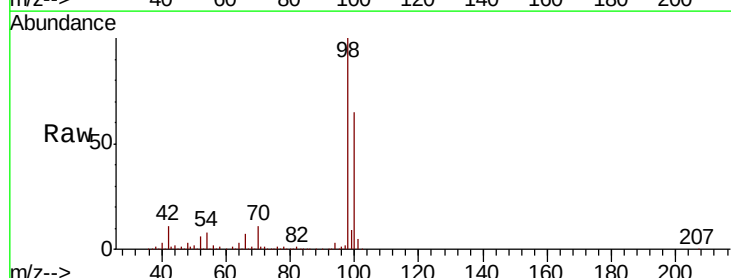
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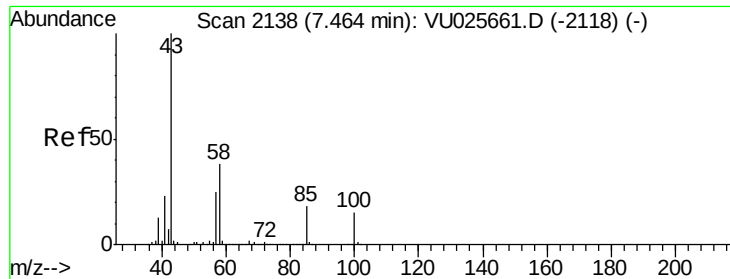
MMDadoda
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#50
Toluene-d8
Concen: 54.00 ug/l
RT: 7.57 min Scan# 2170
Delta R.T. 0.00 min
Lab File: VU025664.D
Acq: 27 Jul 2018 12:56

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.9	51.1	76.7





#51

4-Methyl-2-Pentanone

Concen: 260.51 ug/l

RT: 7.46 min Scan# 2137

Delta R.T. -0.00 min

Lab File: VU025664.D

Acq: 27 Jul 2018 12:56

Instrument :

MSVOA_U

ClientSampleId :

ICVVU072718

Tot Ion: 43 Resp: 965756

Ion Ratio Lower Upper

43 100

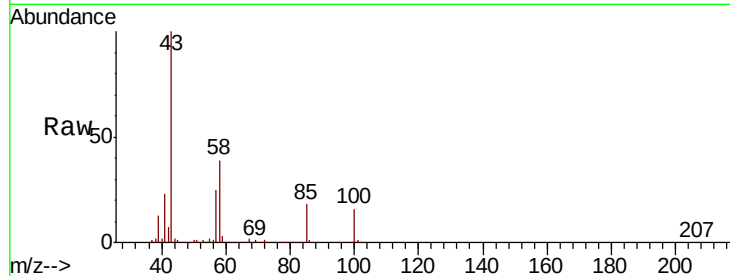
58 39.0 31.0 46.4

Manual Integrations

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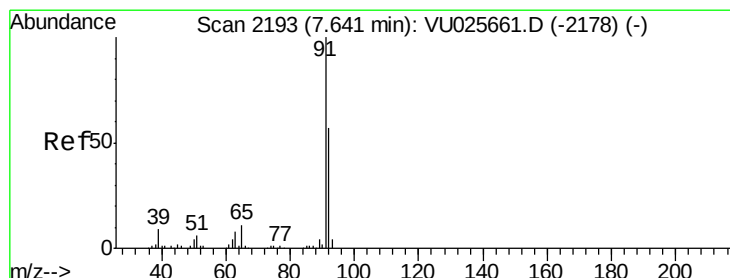
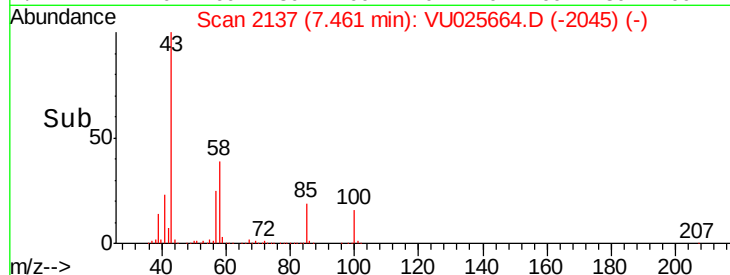
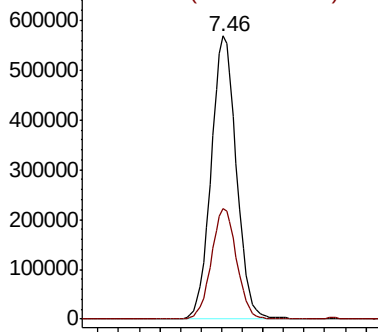
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#52

Toluene

Concen: 53.54 ug/l

RT: 7.64 min Scan# 2192

Delta R.T. -0.00 min

Lab File: VU025664.D

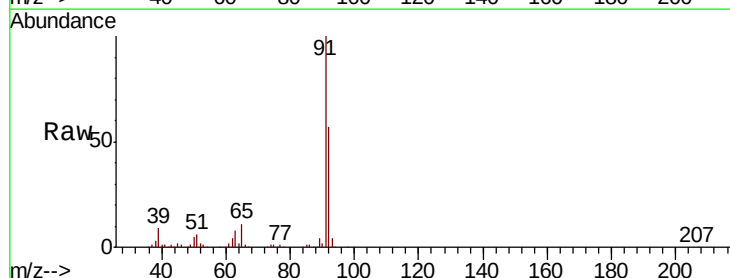
Acq: 27 Jul 2018 12:56

Tgt Ion: 92 Resp: 336008

Ion Ratio Lower Upper

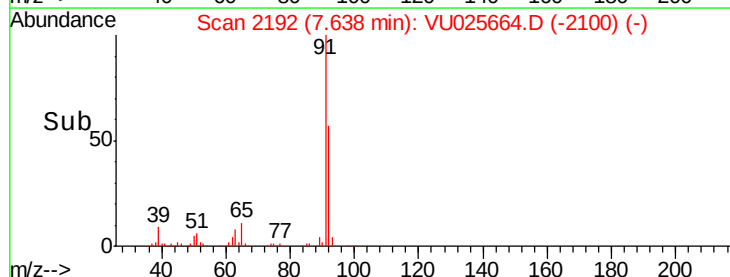
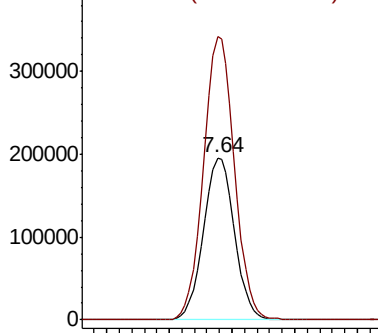
92 100

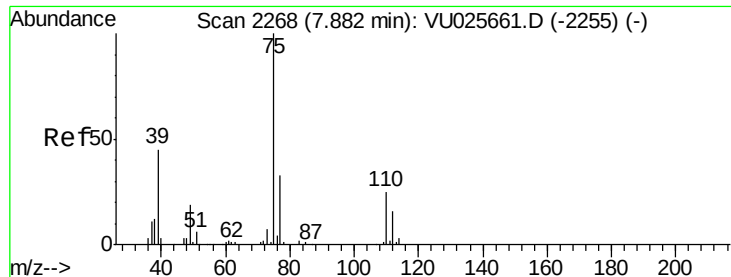
91 174.1 139.2 208.8



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0





#53

t-1,3-Dichloropropene

Concen: 55.51 ug/l

RT: 7.88 min Scan# 2268

Delta R.T. 0.00 min

Lab File: VU025664.D

Acq: 27 Jul 2018 12:56

Instrument :

MSVOA_U

ClientSampleId :

ICVVU072718

Tot Ion: 75 Resp: 226970

Ion Ratio Lower Upper

75 100

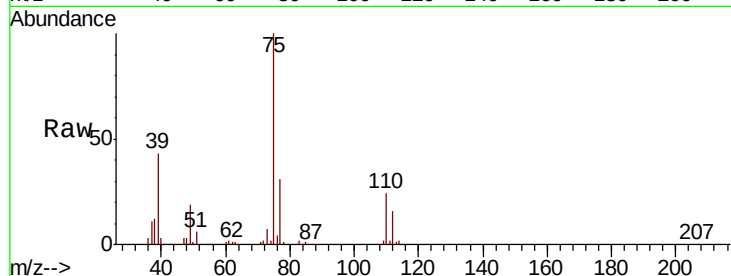
77 31.1 24.5 36.7

Manual Integrations

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Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0

7.88

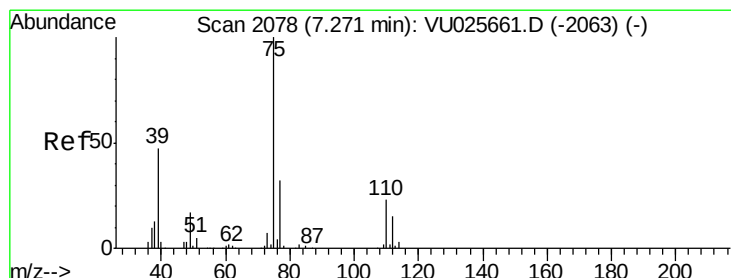
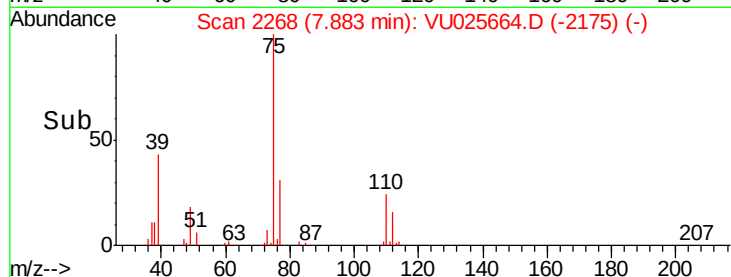
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 55.00 ug/l

RT: 7.27 min Scan# 2078

Delta R.T. 0.00 min

Lab File: VU025664.D

Acq: 27 Jul 2018 12:56

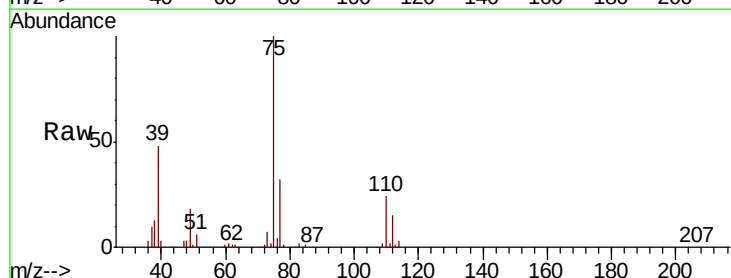
Tgt Ion: 75 Resp: 230981

Ion Ratio Lower Upper

75 100

77 32.3 25.6 38.4

39 47.5 40.0 60.0



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0

Ion 39.00 (38.70 to 39.70): VU0

7.27

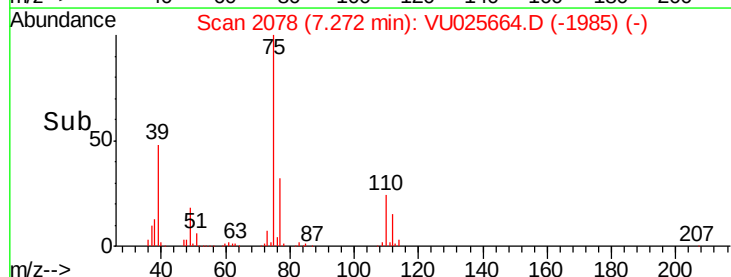
150000

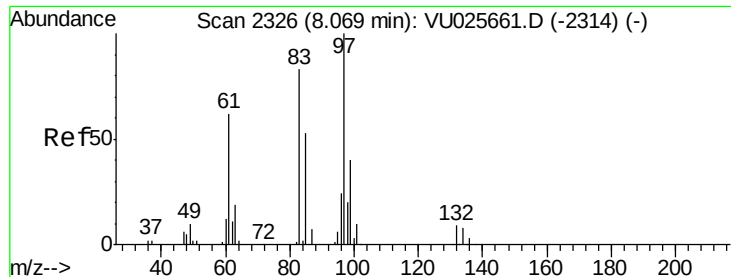
100000

50000

0

Time-->





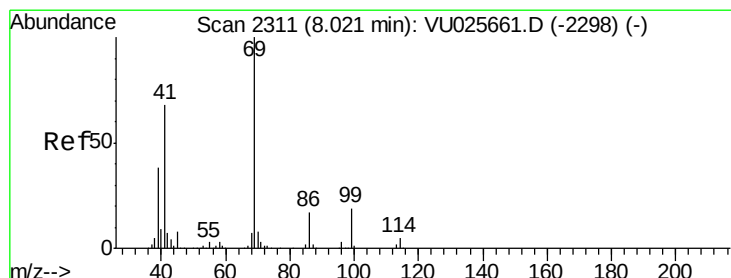
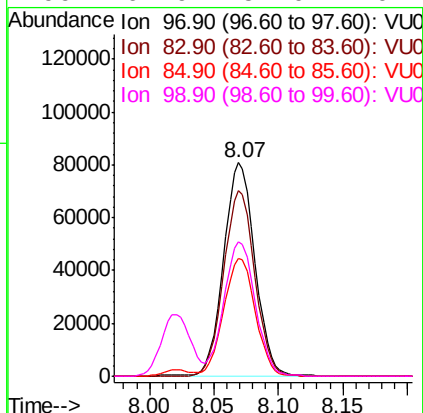
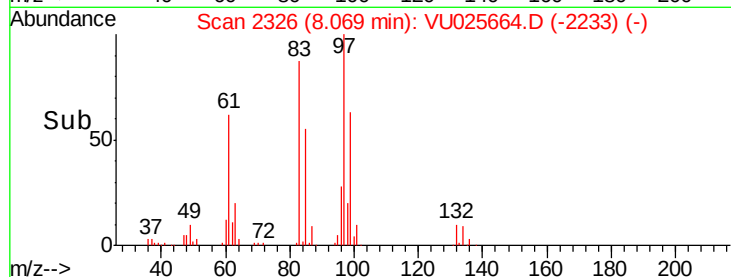
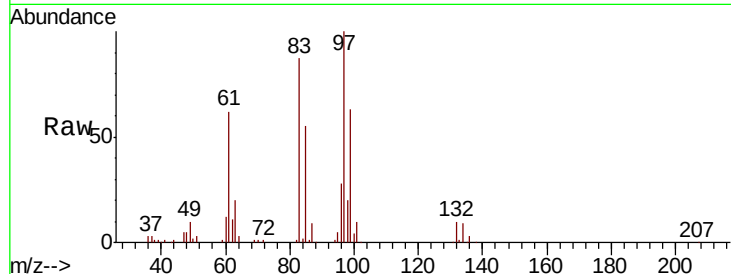
#55
 1,1,2-Trichloroethane
 Concen: 52.13 ug/l
 RT: 8.07 min Scan# 2326
 Delta R.T. 0.00 min
 Lab File: VU025664.D
 Acq: 27 Jul 2018 12:56

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU072718

Tot Ion:	97	Resp:	135945
Ion	Ratio	Lower	Upper
97	100		
83	86.9	68.9	103.3
85	55.4	44.4	66.6
99	62.9	51.0	76.4

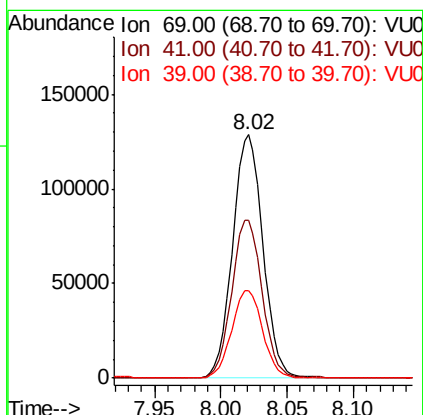
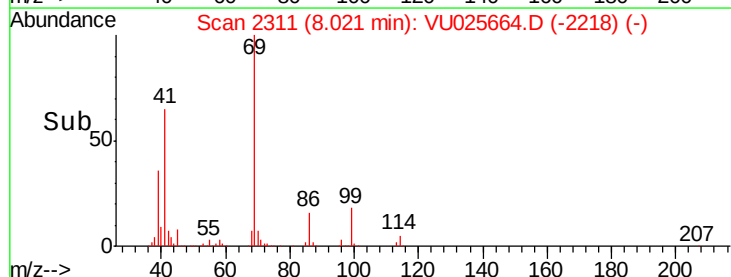
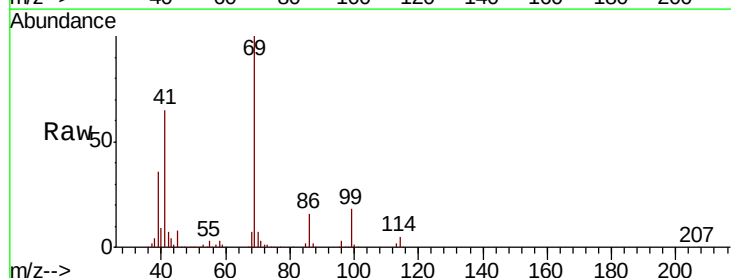
Manual Integrations
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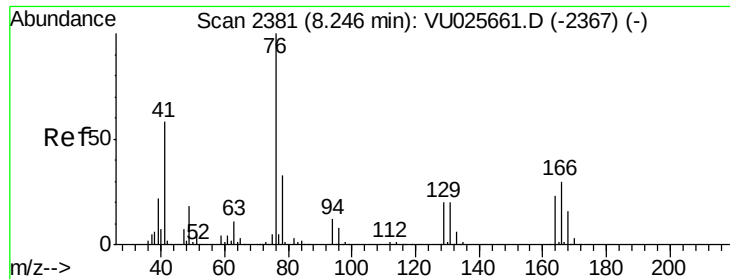
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 7/31/2018 3:48:24 PM



#56
 Ethyl methacrylate
 Concen: 55.01 ug/l
 RT: 8.02 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VU025664.D
 Acq: 27 Jul 2018 12:56

Tgt Ion:	69	Resp:	204980
Ion	Ratio	Lower	Upper
69	100		
41	65.0	54.8	82.2
39	36.3	31.1	46.7





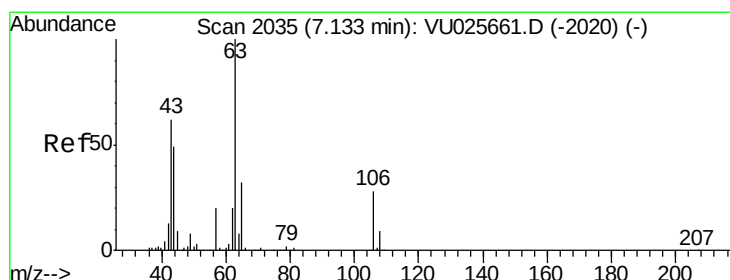
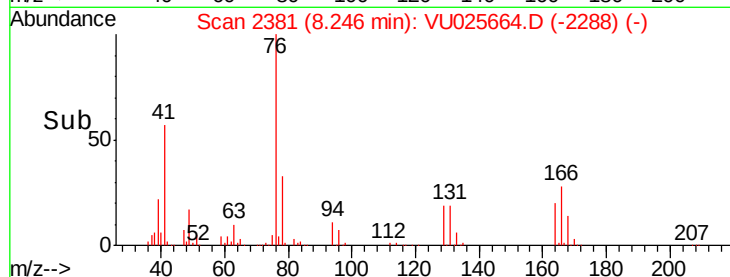
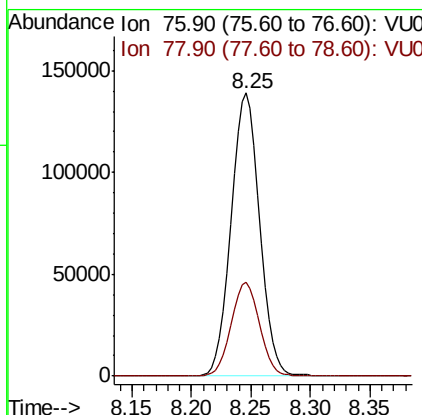
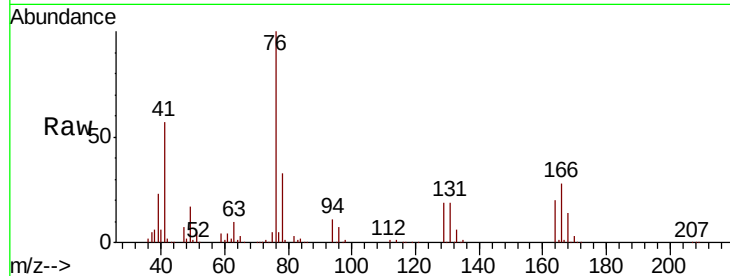
#57
 1,3-Dichloropropane
 Concen: 52.71 ug/l
 RT: 8.25 min Scan# 2381
 Delta R.T. 0.00 min
 Lab File: VU025664.D
 Acq: 27 Jul 2018 12:56

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU072718

Tot Ion: 76 Resp: 231168
 Ion Ratio Lower Upper
 76 100
 78 32.8 26.1 39.1

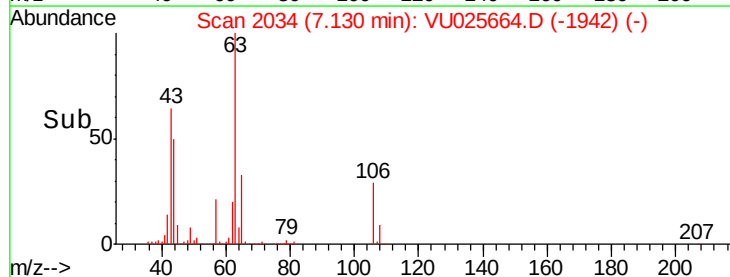
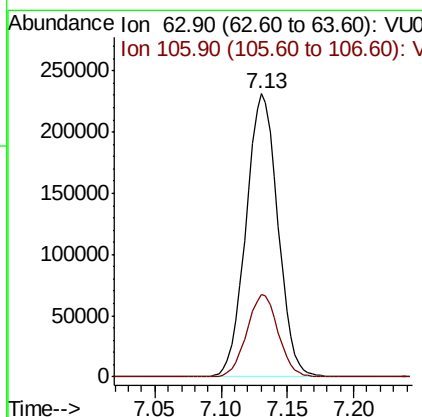
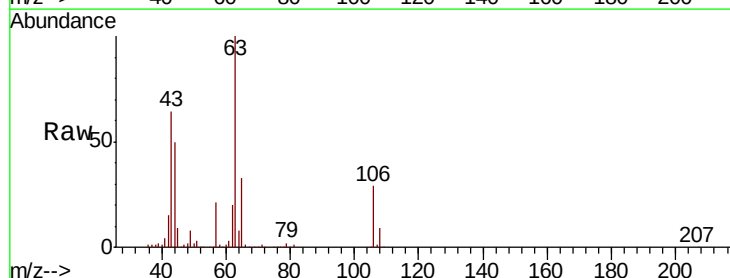
Manual Integrations
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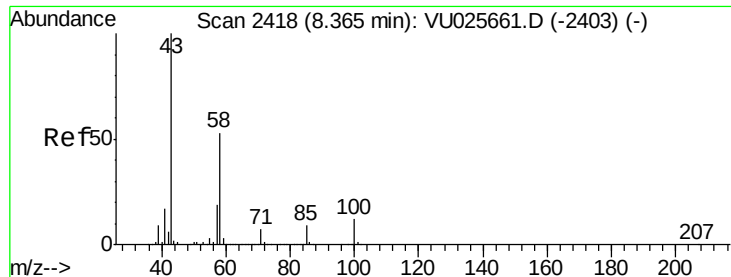
MMDadoda
 7/31/2018 3:48:24 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 229.34 ug/l
 RT: 7.13 min Scan# 2034
 Delta R.T. -0.00 min
 Lab File: VU025664.D
 Acq: 27 Jul 2018 12:56

Tgt Ion: 63 Resp: 385974
 Ion Ratio Lower Upper
 63 100
 106 28.8 22.3 33.5





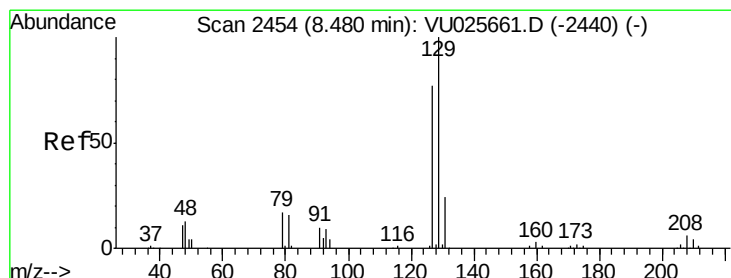
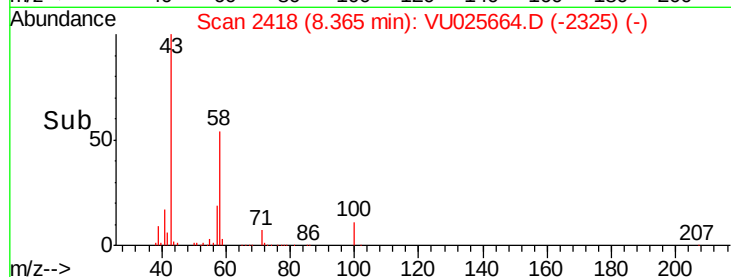
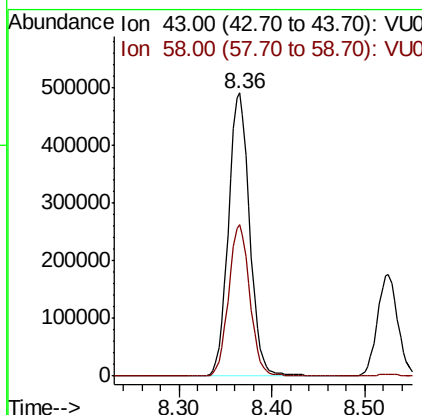
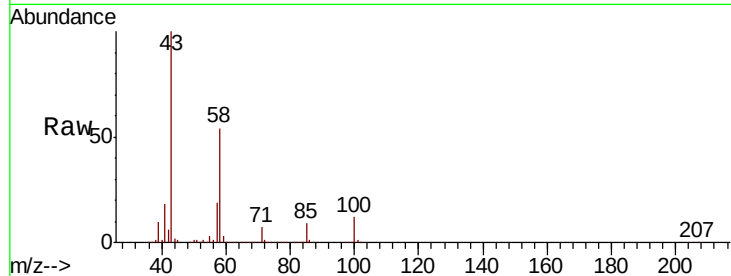
#59
2-Hexanone
Concen: 267.86 ug/l
RT: 8.36 min Scan# 2418
Delta R.T. 0.00 min
Lab File: VU025664.D
Acq: 27 Jul 2018 12:56

Instrument :
MSVOA_U
ClientSampleId :
ICVVU072718

Tot Ion	43	Resp	778399
Ion Ratio	100	Lower	Upper
58	53.5	26.2	78.5

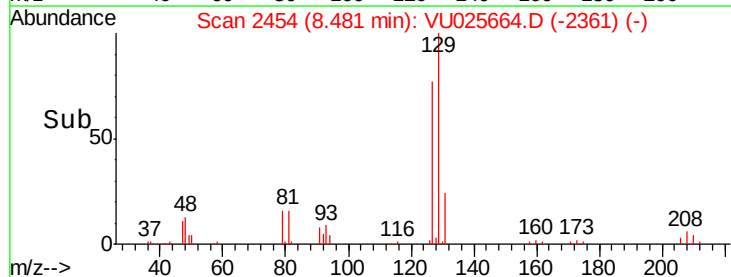
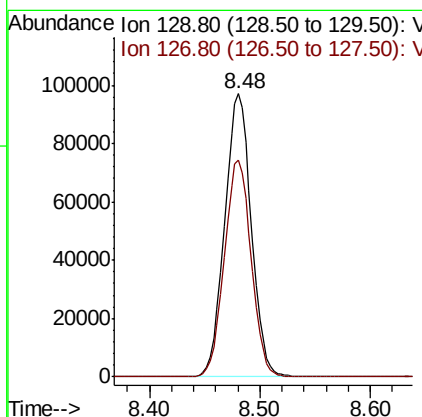
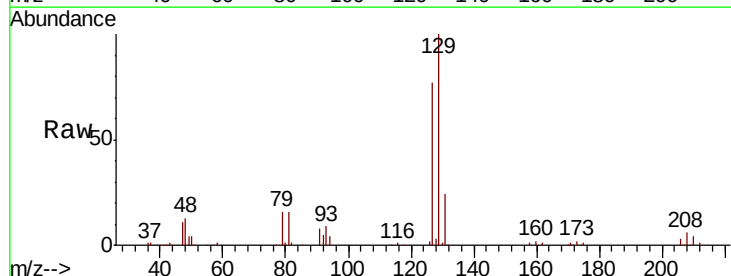
Manual Integrations
APPROVED

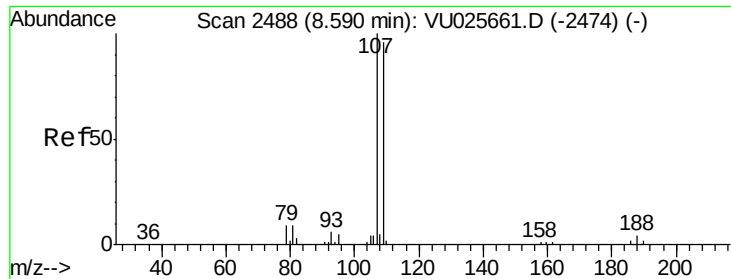
MMDadoda
7/31/2018 3:48:24 PM



#60
Dibromochloromethane
Concen: 52.76 ug/l
RT: 8.48 min Scan# 2454
Delta R.T. 0.00 min
Lab File: VU025664.D
Acq: 27 Jul 2018 12:56

Tgt Ion	129	Resp	162273
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
127	77.2	38.6	115.8





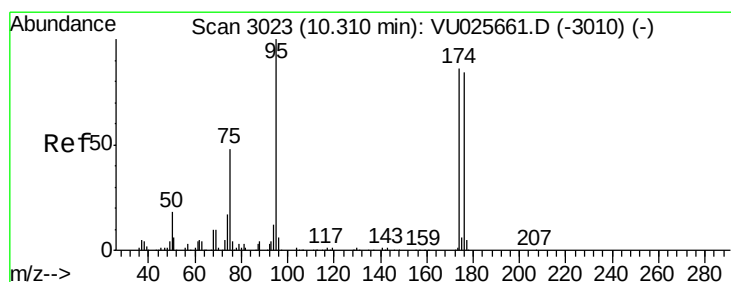
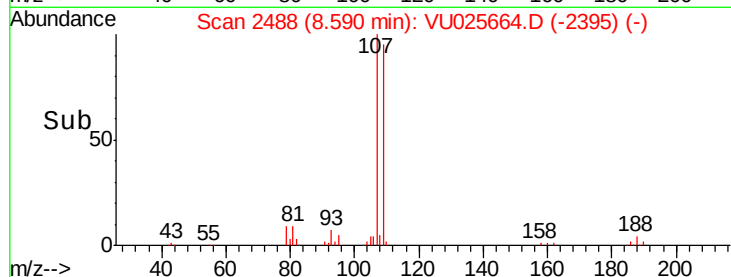
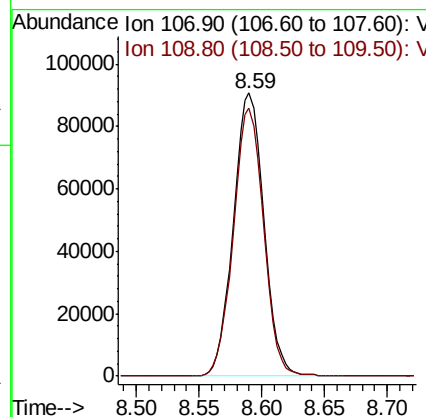
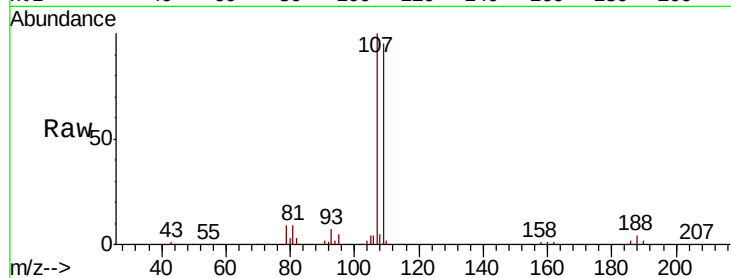
#61
 1,2-Dibromoethane
 Concen: 52.77 ug/l
 RT: 8.59 min Scan# 2488
 Delta R.T. 0.00 min
 Lab File: VU025664.D
 Acq: 27 Jul 2018 12:56

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU072718

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.2	75.8	113.8

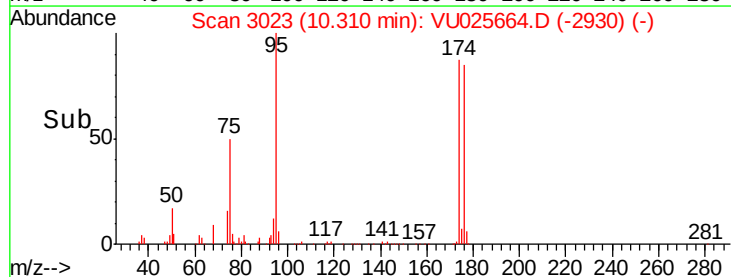
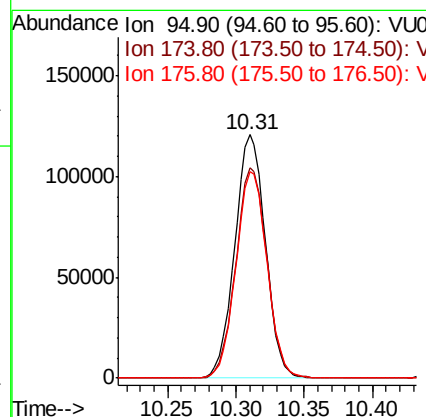
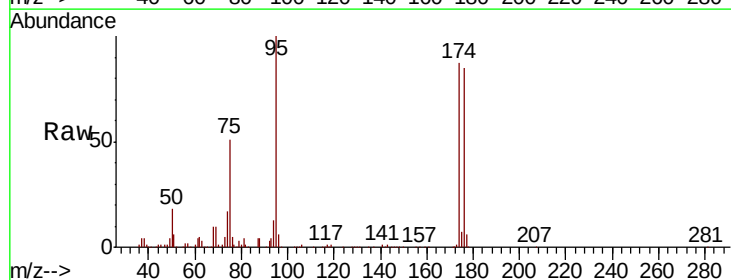
Manual Integrations
 APPROVED

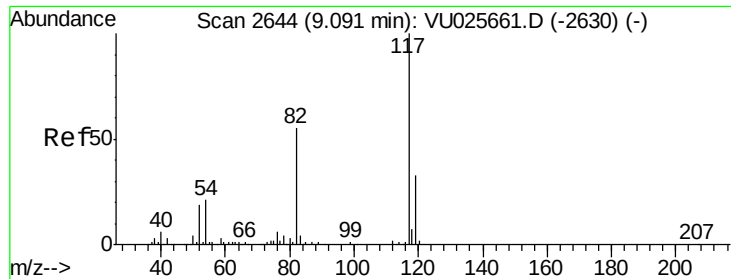
MMDadoda
 7/31/2018 3:48:24 PM



#62
 4-Bromofluorobenzene
 Concen: 53.95 ug/l
 RT: 10.31 min Scan# 3023
 Delta R.T. 0.00 min
 Lab File: VU025664.D
 Acq: 27 Jul 2018 12:56

Tgt Ion	Ratio	Lower	Upper
95	100		
174	87.7	0.0	172.2
176	86.0	0.0	162.6





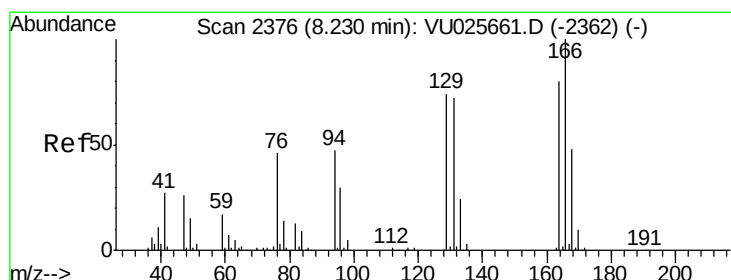
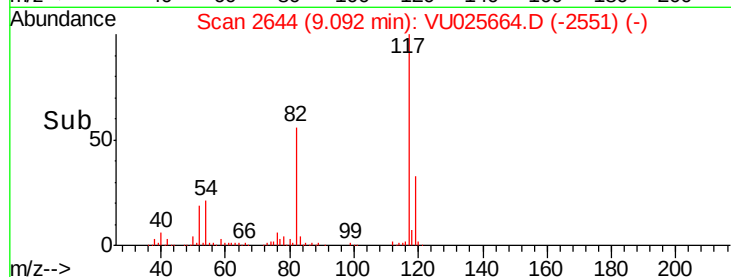
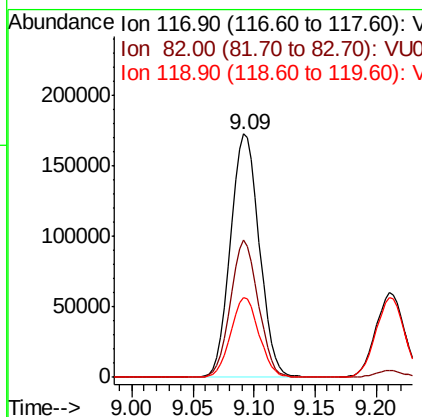
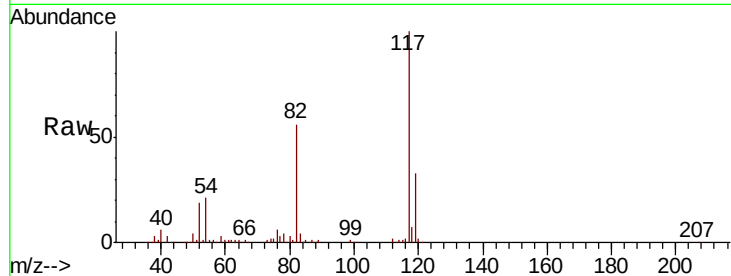
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VU025664.D
Acq: 27 Jul 2018 12:56

Instrument :
MSVOA_U
ClientSampleId :
ICVVU072718

Tot Ion	Ratio	Resp Lower	Upper
117	100		
82	56.2	46.0	69.0
119	33.0	26.0	39.0

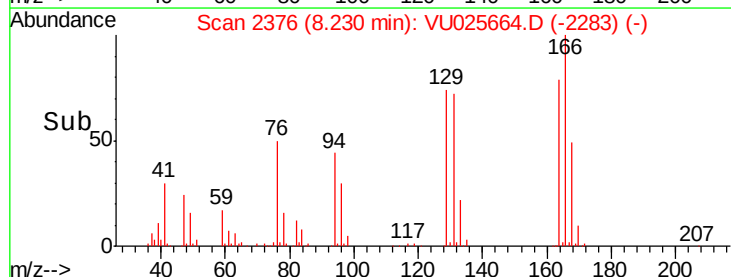
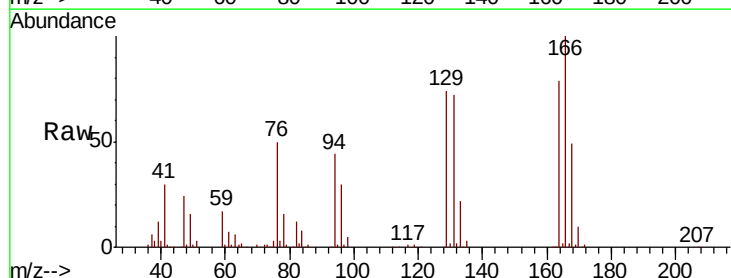
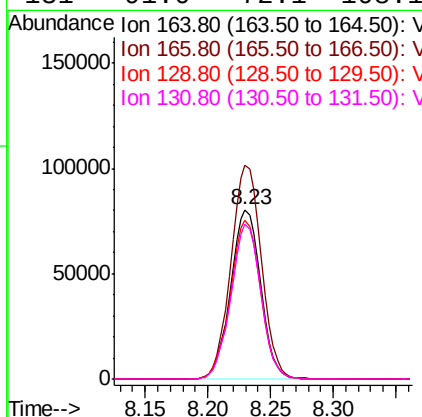
Manual Integrations
APPROVED

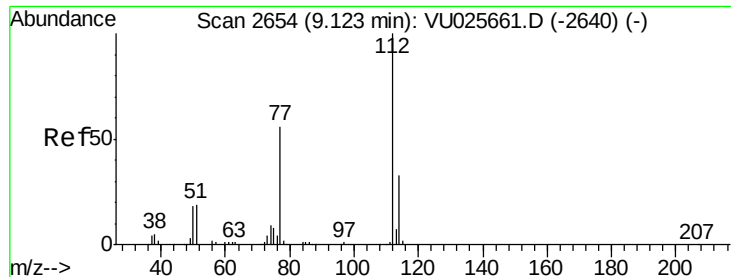
MMDadoda
7/31/2018 3:48:24 PM



#64
Tetrachloroethene
Concen: 53.18 ug/l
RT: 8.23 min Scan# 2376
Delta R.T. 0.00 min
Lab File: VU025664.D
Acq: 27 Jul 2018 12:56

Tgt Ion	Ratio	Resp Lower	Upper
164	100		
166	125.9	101.1	151.7
129	93.2	73.0	109.6
131	91.0	72.1	108.1





#65

Chlorobenzene

Concen: 52.78 ug/l

RT: 9.12 min Scan# 2653

Delta R.T. -0.00 min

Lab File: VU025664.D

Acq: 27 Jul 2018 12:56

Instrument :

MSVOA_U

ClientSampleId :

ICVVU072718

Tot Ion:112 Resp: 388650

Ion Ratio Lower Upper

112 100

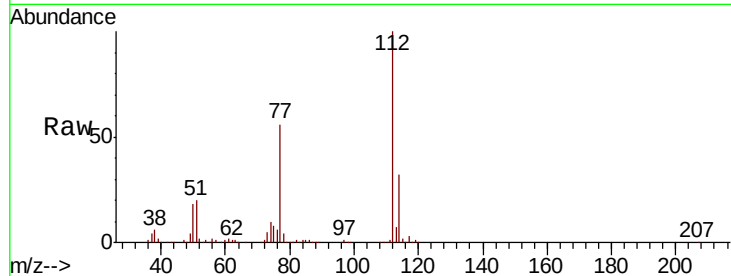
114 32.2 25.8 38.8

Manual Integrations

APPROVED

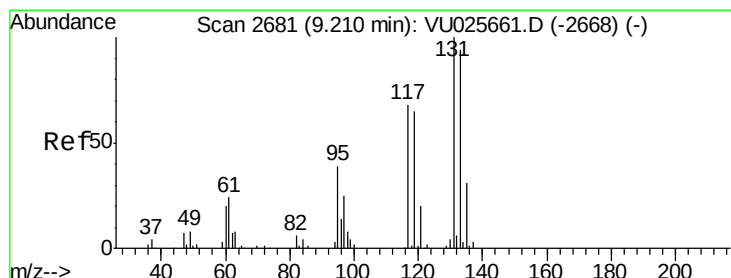
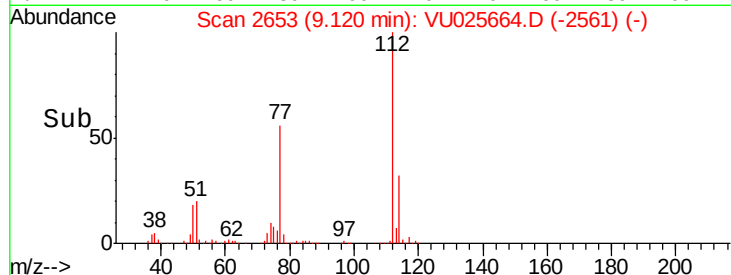
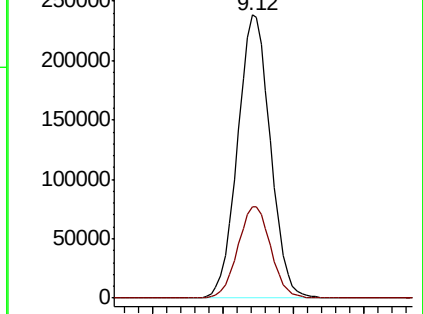
MMDadoda

7/31/2018 3:48:24 PM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 54.33 ug/l

RT: 9.21 min Scan# 2681

Delta R.T. 0.00 min

Lab File: VU025664.D

Acq: 27 Jul 2018 12:56

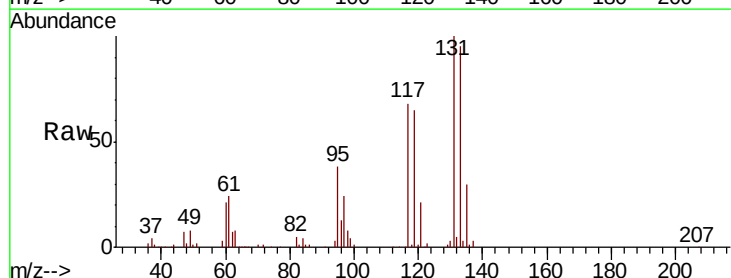
Tgt Ion:131 Resp: 144741

Ion Ratio Lower Upper

131 100

133 95.4 47.8 143.3

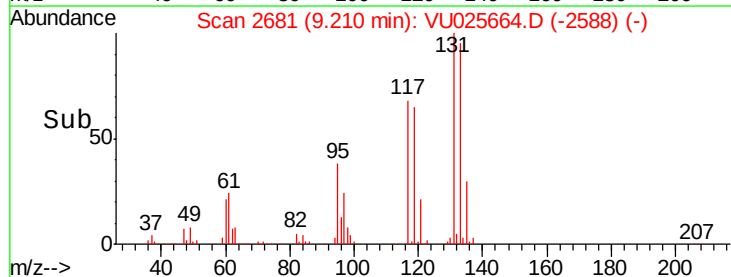
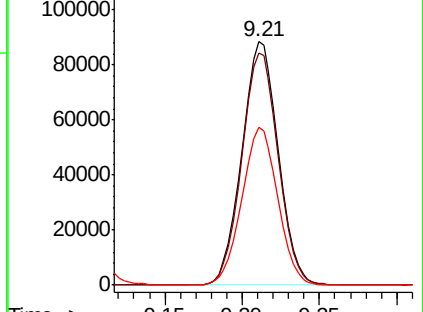
119 64.1 31.6 95.0

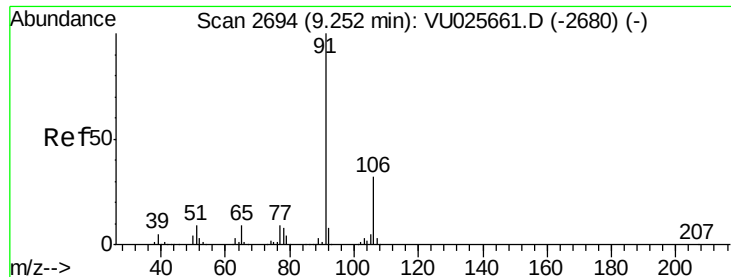


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





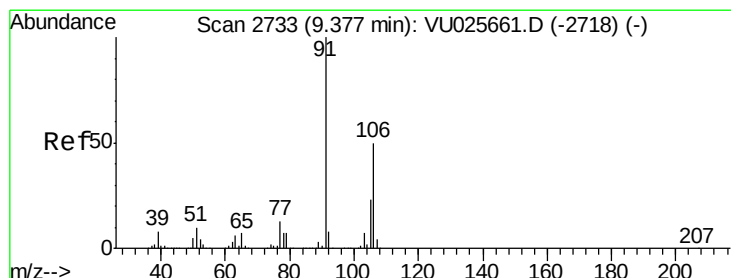
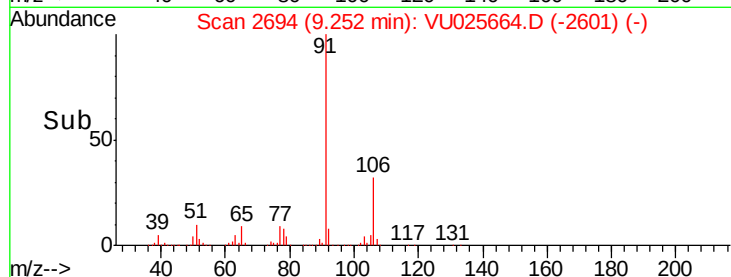
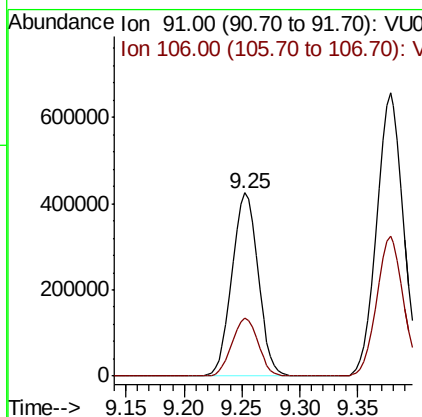
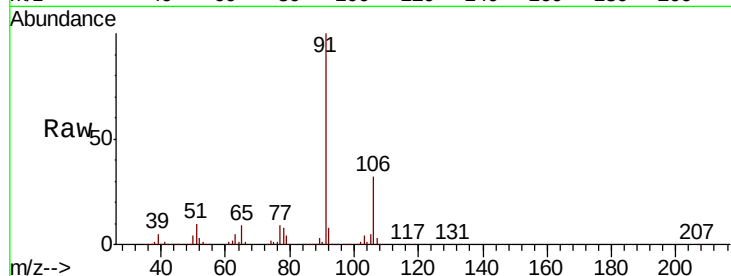
#67
Ethyl Benzene
Concen: 54.29 ug/l
RT: 9.25 min Scan# 2694
Delta R.T. 0.00 min
Lab File: VU025664.D
Acq: 27 Jul 2018 12:56

Instrument :
MSVOA_U
ClientSampleId :
ICVVU072718

Tot Ion: 91 Resp: 662284
Ion Ratio Lower Upper
91 100
106 31.5 25.3 37.9

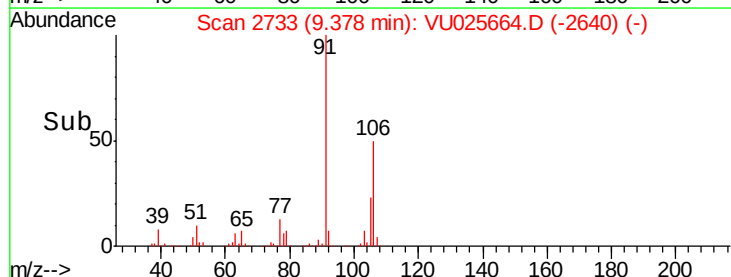
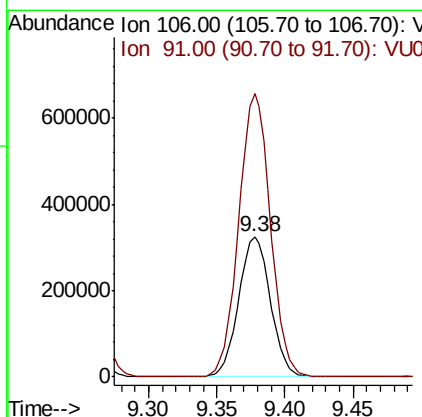
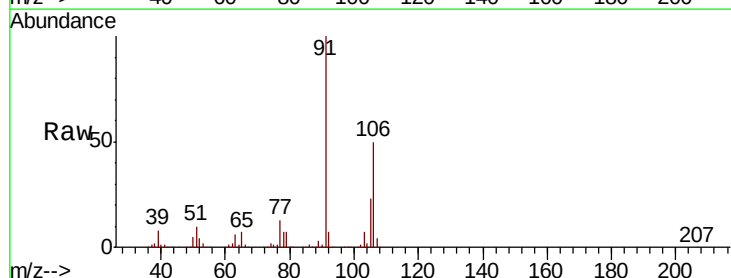
Manual Integrations
APPROVED

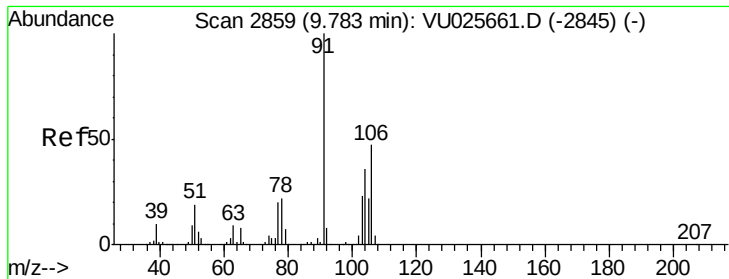
MMDadoda
7/31/2018 3:48:24 PM



#68
m/p-Xylenes
Concen: 111.83 ug/l
RT: 9.38 min Scan# 2733
Delta R.T. 0.00 min
Lab File: VU025664.D
Acq: 27 Jul 2018 12:56

Tgt Ion: 106 Resp: 523709
Ion Ratio Lower Upper
106 100
91 201.8 162.3 243.5





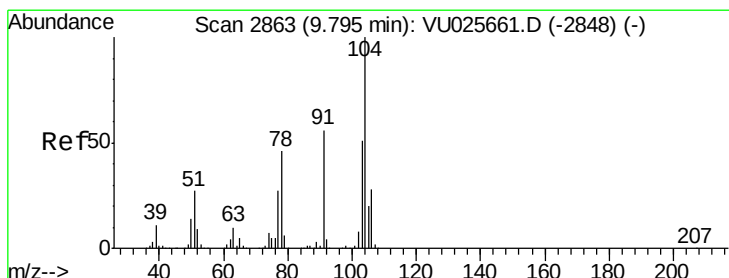
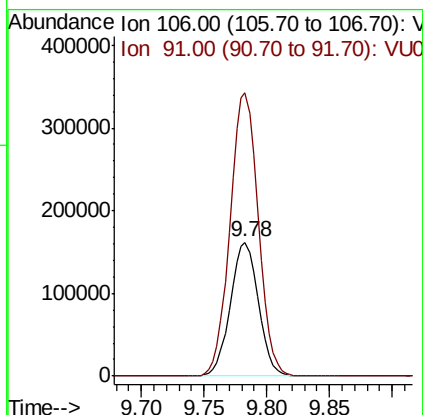
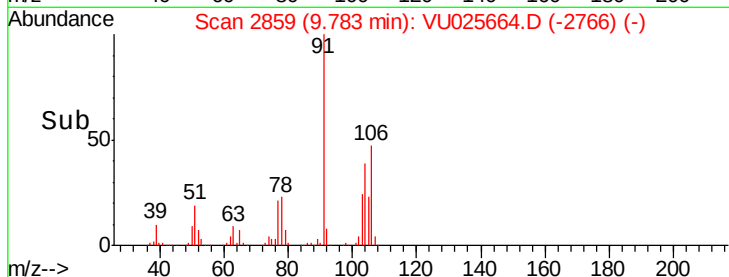
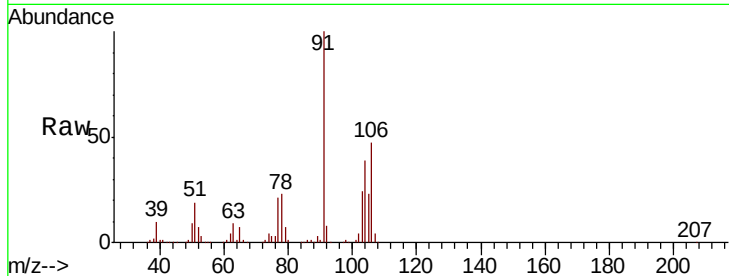
#69
o-Xylene
Concen: 54.68 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. 0.00 min
Lab File: VU025664.D
Acq: 27 Jul 2018 12:56

Instrument :
MSVOA_U
ClientSampleId :
ICVVU072718

Tot Ion	Ion	Ratio	Resp	Lower	Upper
250263	106	100			
	91	213.7	105.3	315.8	

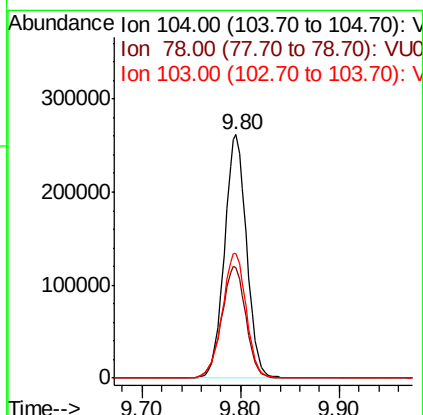
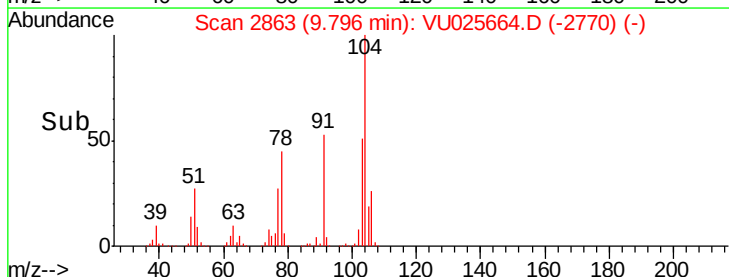
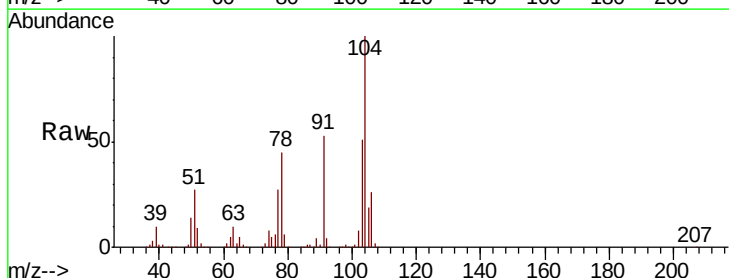
Manual Integrations
APPROVED

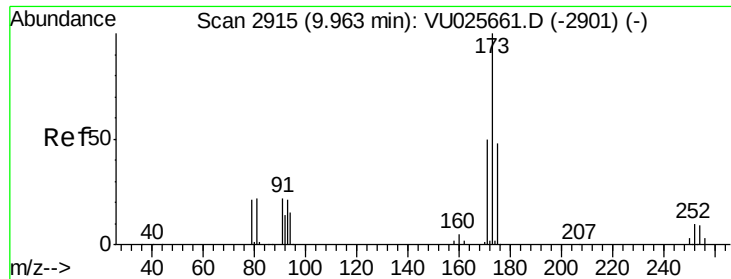
MMDadoda
7/31/2018 3:48:24 PM



#70
Styrene
Concen: 55.80 ug/l
RT: 9.80 min Scan# 2863
Delta R.T. 0.00 min
Lab File: VU025664.D
Acq: 27 Jul 2018 12:56

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
412519	104	100			
	78	50.1	41.6	62.4	
	103	55.4	44.6	66.8	





#71

Bromoform

Concen: 54.39 ug/l

RT: 9.96 min Scan# 2915

Delta R.T. 0.00 min

Lab File: VU025664.D

Acq: 27 Jul 2018 12:56

Instrument :

MSVOA_U

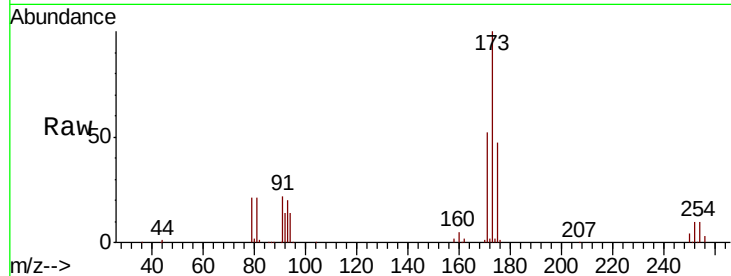
ClientSampleId :

ICVVU072718

Tot Ion:	173	Resp:	125627
Ion Ratio	Lower	Upper	
173	100		
175	48.2	24.0	72.0
254	0.0	0.0	0.0

Manual Integrations
APPROVED

MMDadoda
7/31/2018 3:48:24 PM

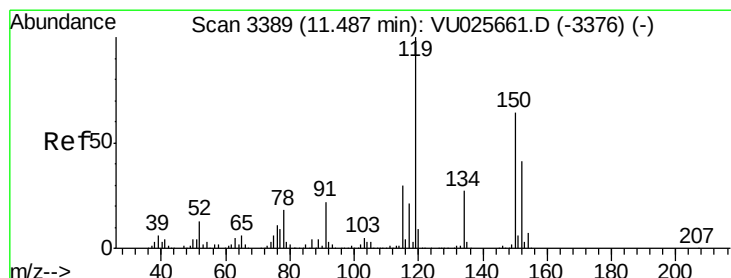
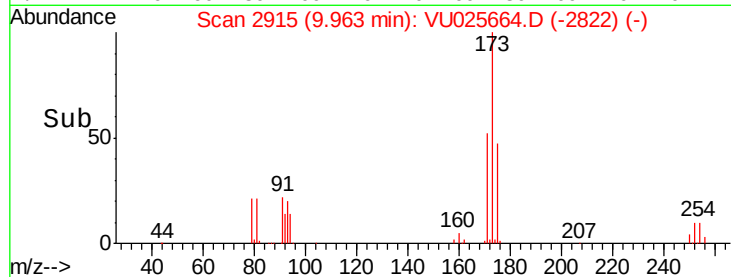
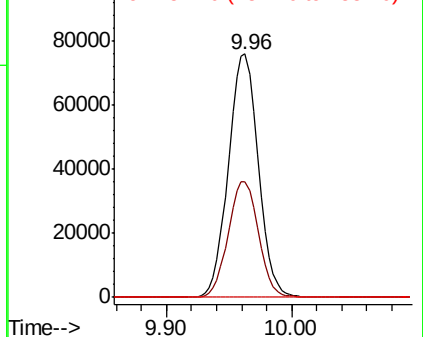


Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

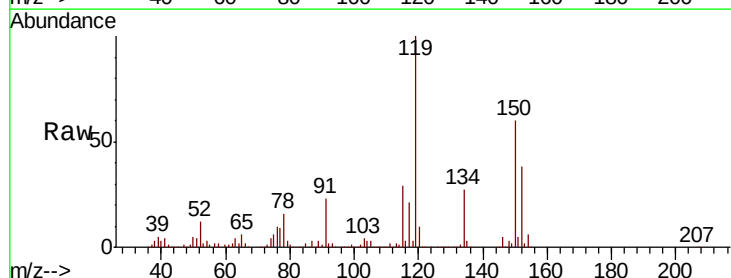
RT: 11.49 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VU025664.D

Acq: 27 Jul 2018 12:56

Tgt Ion:	152	Resp:	185174
Ion Ratio	Lower	Upper	
152	100		
115	82.8	40.1	120.3
150	177.1	0.0	351.4

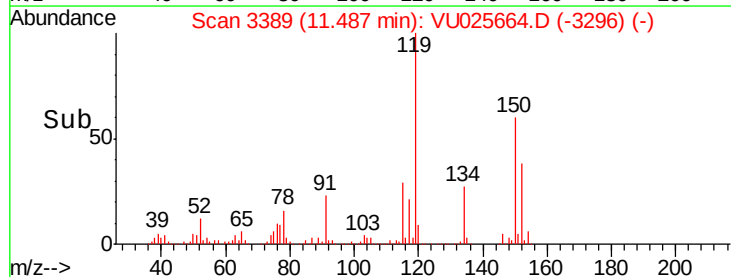
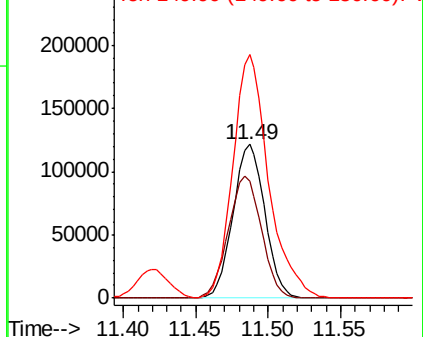


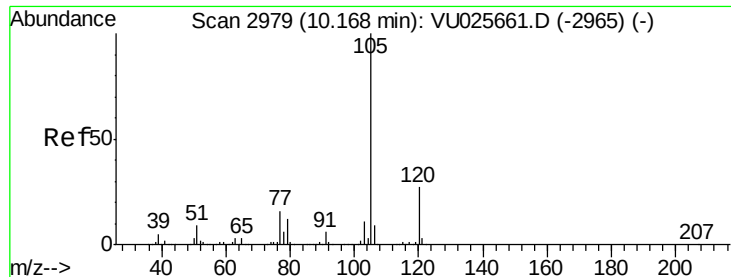
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 54.24 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. 0.00 min

Lab File: VU025664.D

Acq: 27 Jul 2018 12:56

Instrument :

MSVOA_U

ClientSampleId :

ICVVU072718

Tot Ion: 105 Resp: 685510

Ion Ratio Lower Upper

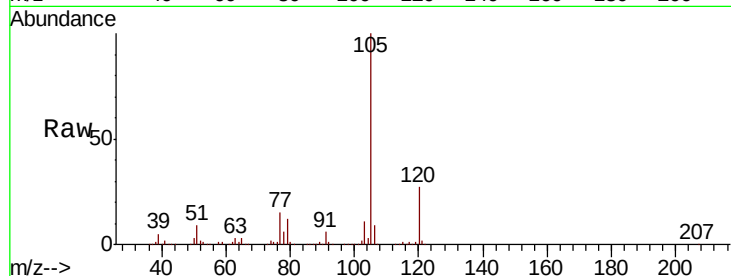
105 100

120 27.2 13.5 40.5

Manual Integrations
APPROVED

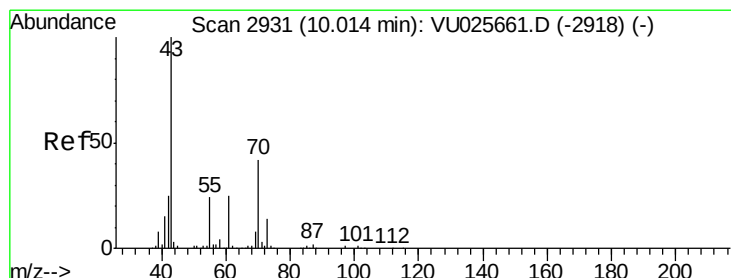
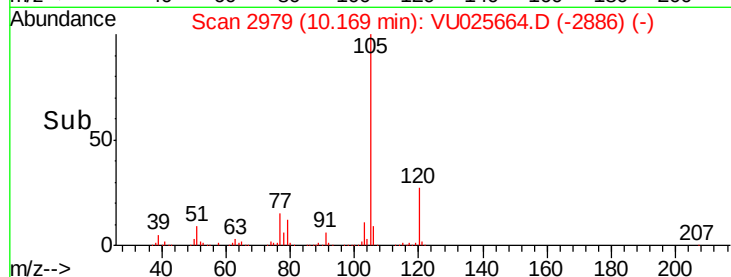
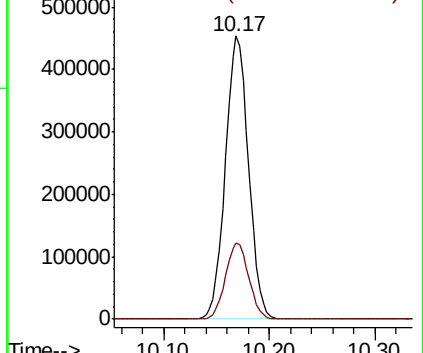
MMDadoda

7/31/2018 3:48:24 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 54.47 ug/l

RT: 10.01 min Scan# 2931

Delta R.T. 0.00 min

Lab File: VU025664.D

Acq: 27 Jul 2018 12:56

Tgt Ion: 43 Resp: 281042

Ion Ratio Lower Upper

43 100

70 42.2 33.4 50.2

55 24.7 19.0 28.6

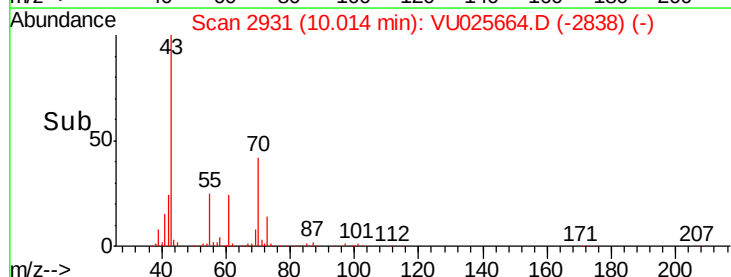
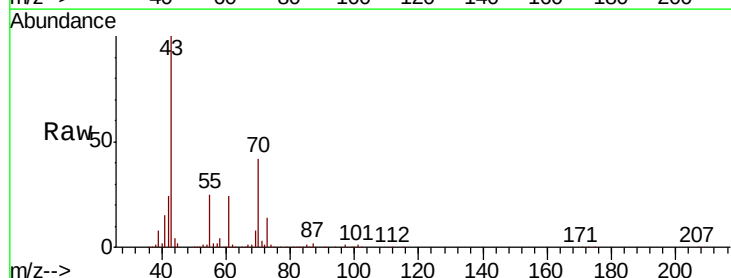
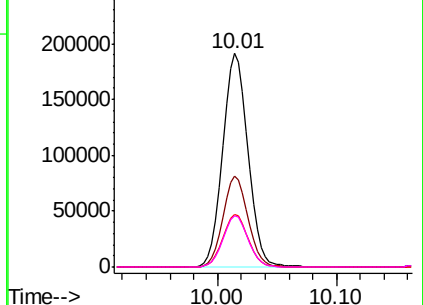
61 23.9 19.3 28.9

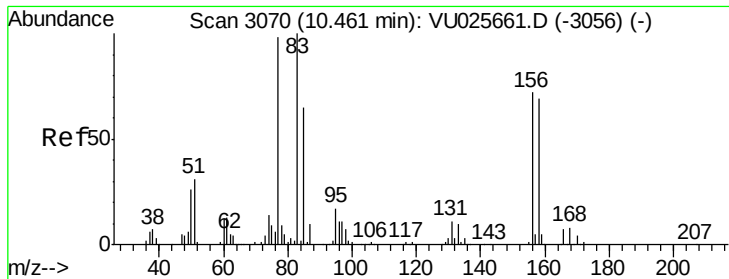
Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 61.00 (60.70 to 61.70): VU0





#75

1,1,2,2-Tetrachloroethane

Concen: 50.36 ug/l

RT: 10.46 min Scan# 3070

Delta R.T. 0.00 min

Lab File: VU025664.D

Acq: 27 Jul 2018 12:56

Instrument :

MSVOA_U

ClientSampleId :

ICVVU072718

Tot Ion: 83 Resp: 220099

Ion Ratio Lower Upper

83 100

131 10.6 5.5 16.4

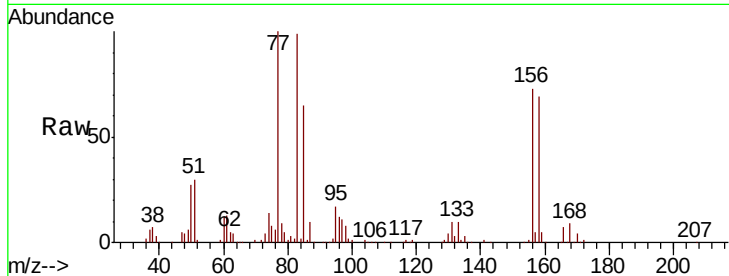
85 64.8 31.6 94.8

Manual Integrations

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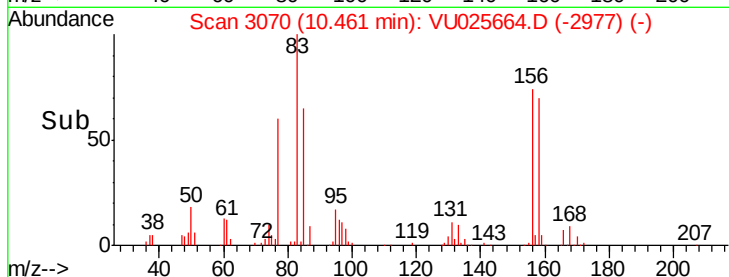


Abundance Ion 82.90 (82.60 to 83.60): VU025661.D (-3056) (-)

Ion 130.80 (130.50 to 131.50): VU025661.D (-3056) (-)

Ion 84.90 (84.60 to 85.60): VU025661.D (-3056) (-)

Time-->



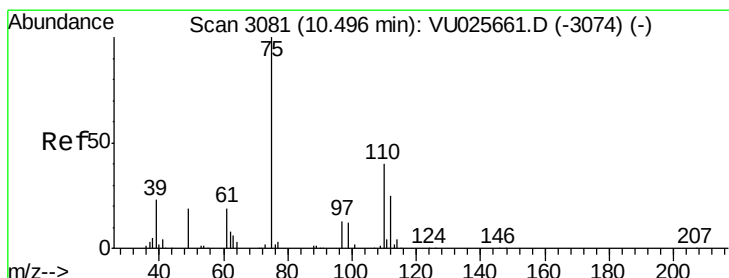
Abundance

Ion 82.90 (82.60 to 83.60): VU025661.D (-3056) (-)

Ion 130.80 (130.50 to 131.50): VU025661.D (-3056) (-)

Ion 84.90 (84.60 to 85.60): VU025661.D (-3056) (-)

Time-->



#76

1,2,3-Trichloropropane

Concen: 46.37 ug/l m

RT: 10.50 min Scan# 3081

Delta R.T. 0.00 min

Lab File: VU025664.D

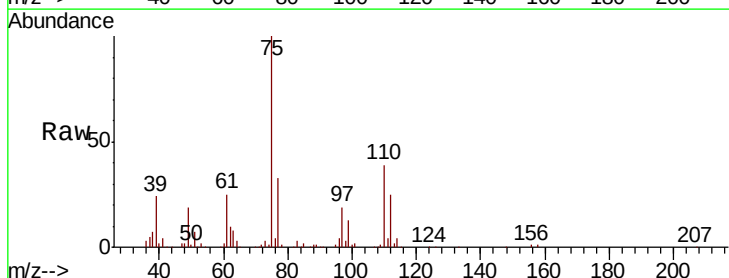
Acq: 27 Jul 2018 12:56

Tgt Ion: 75 Resp: 189198

Ion Ratio Lower Upper

75 100

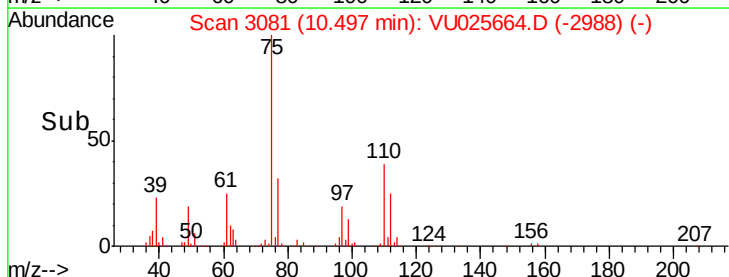
77 44.6 20.4 61.3



Abundance Ion 74.90 (74.60 to 75.60): VU025661.D (-3074) (-)

Ion 77.00 (76.70 to 77.70): VU025661.D (-3074) (-)

Time-->

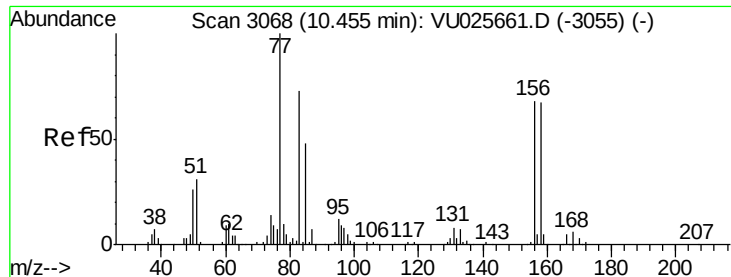


Abundance

Ion 74.90 (74.60 to 75.60): VU025661.D (-3074) (-)

Ion 77.00 (76.70 to 77.70): VU025661.D (-3074) (-)

Time-->



#77

Bromobenzene

Concen: 51.43 ug/l

RT: 10.45 min Scan# 3068

Delta R.T. 0.00 min

Lab File: VU025664.D

Acq: 27 Jul 2018 12:56

Instrument :

MSVOA_U

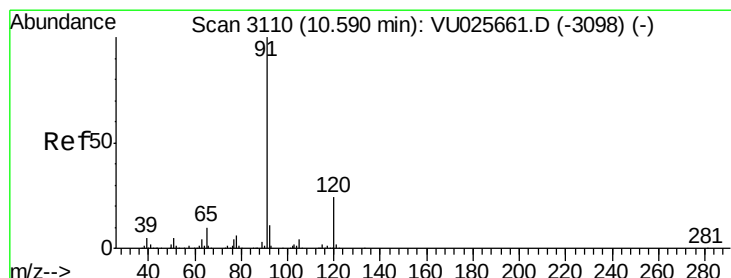
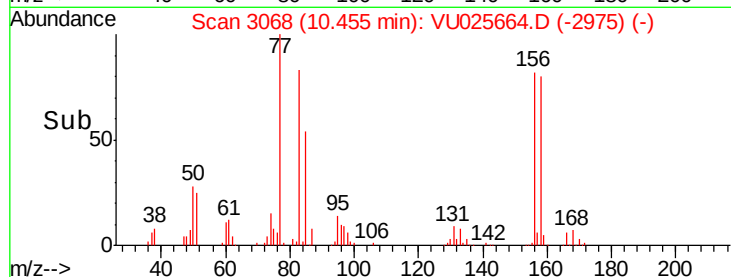
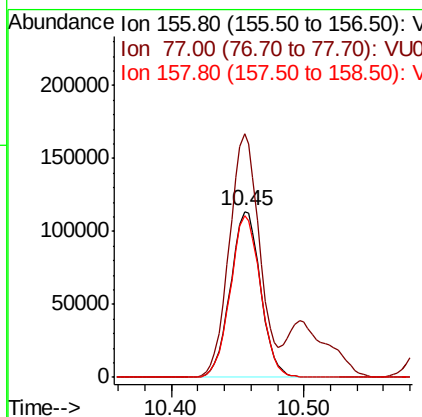
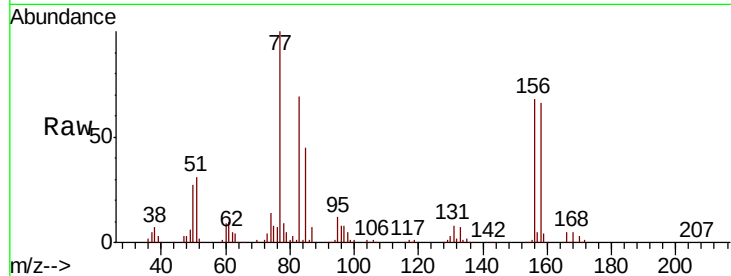
ClientSampleId :

ICVVU072718

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	147.5	73.8	221.4	
158	97.5	48.0	144.0	

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#78

n-propylbenzene

Concen: 55.49 ug/l

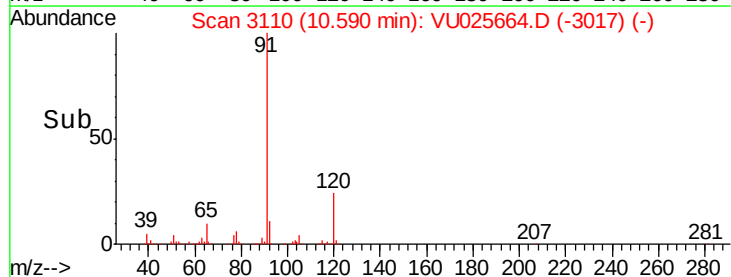
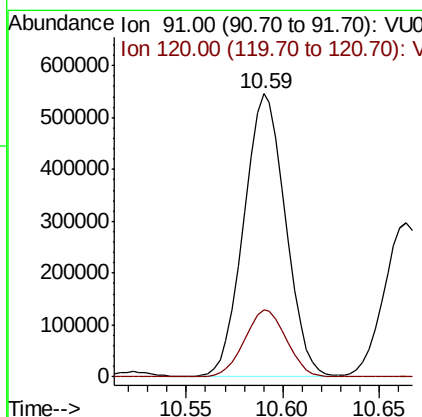
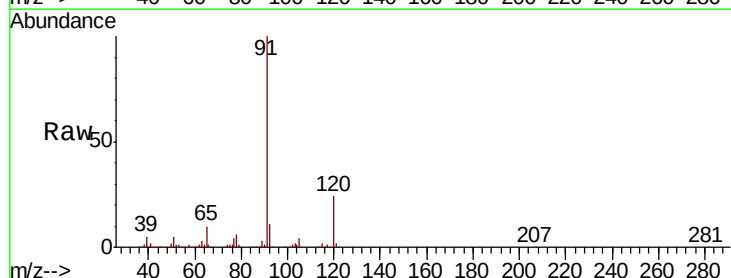
RT: 10.59 min Scan# 3110

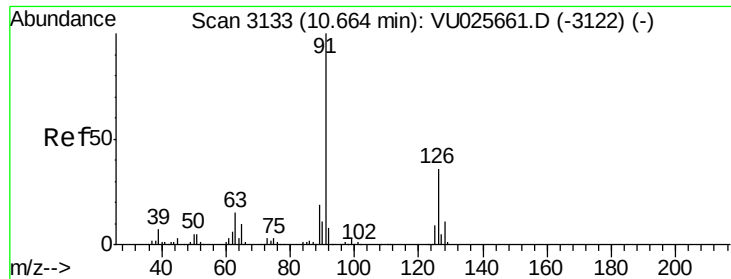
Delta R.T. 0.00 min

Lab File: VU025664.D

Acq: 27 Jul 2018 12:56

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	23.9	11.8	35.3	





#79

2-Chlorotoluene

Concen: 53.89 ug/l

RT: 10.66 min Scan# 3133

Delta R.T. 0.00 min

Lab File: VU025664.D

Acq: 27 Jul 2018 12:56

Instrument :

MSVOA_U

ClientSampleId :

ICVVU072718

Tot Ion: 91 Resp: 465596

Ion Ratio Lower Upper

91 100

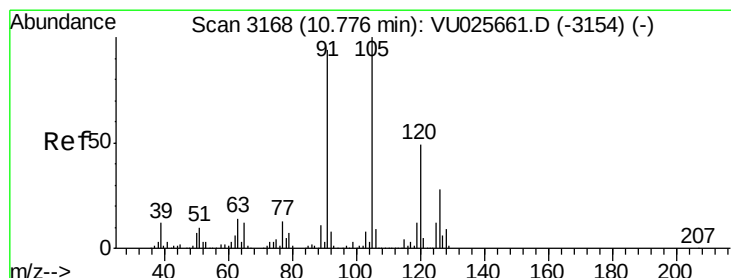
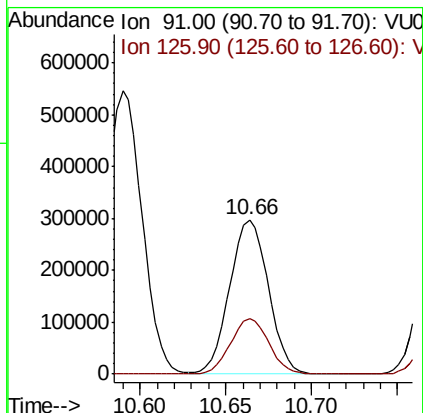
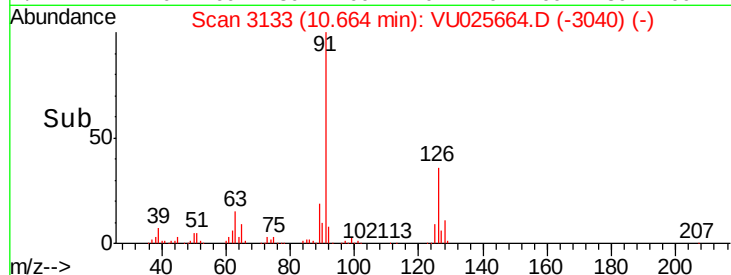
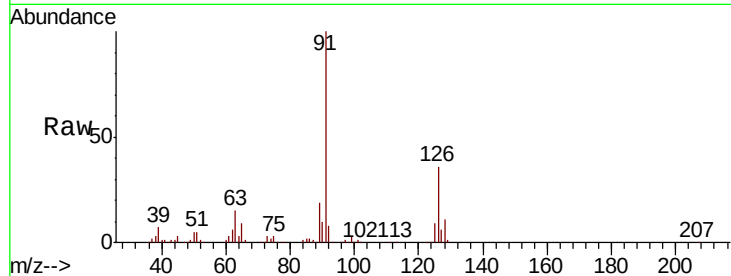
126 35.7 17.5 52.6

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 55.47 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. 0.00 min

Lab File: VU025664.D

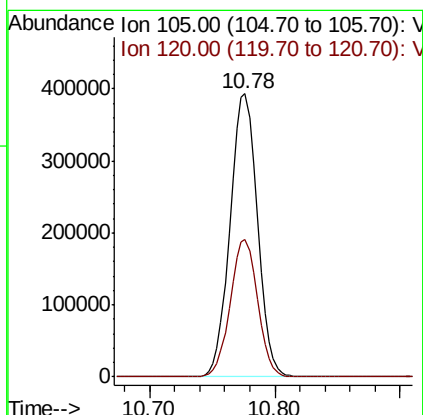
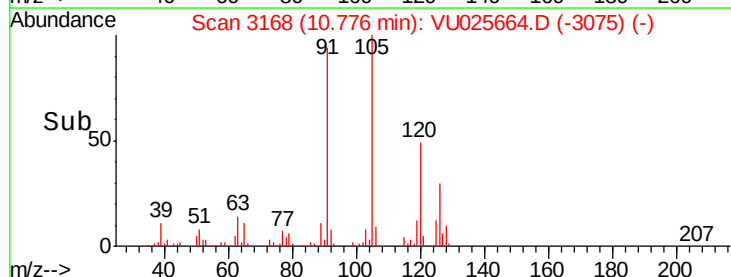
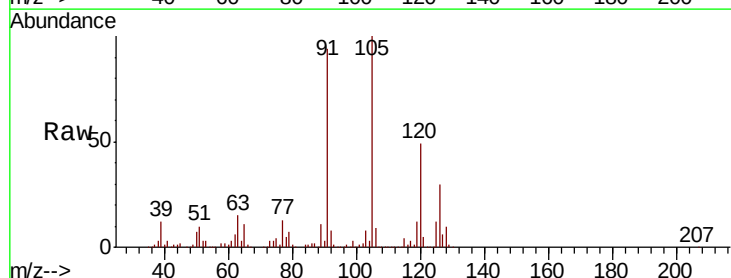
Acq: 27 Jul 2018 12:56

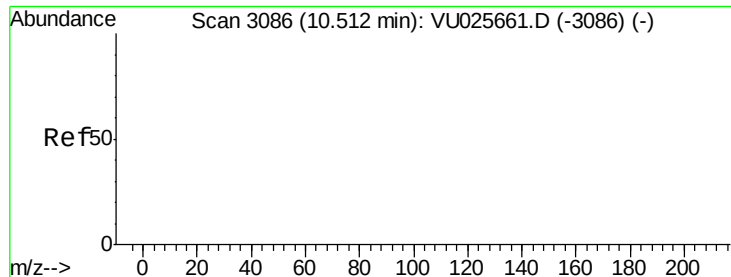
Tgt Ion: 105 Resp: 595351

Ion Ratio Lower Upper

105 100

120 48.6 24.1 72.2





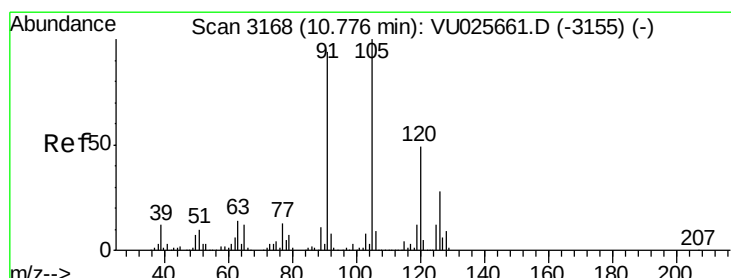
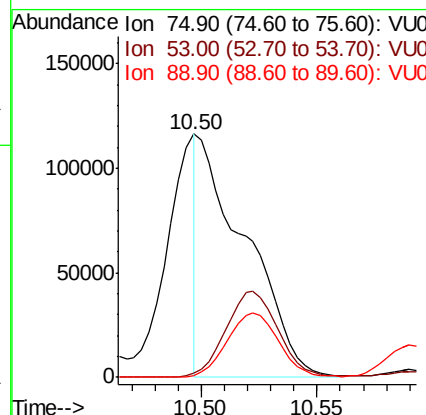
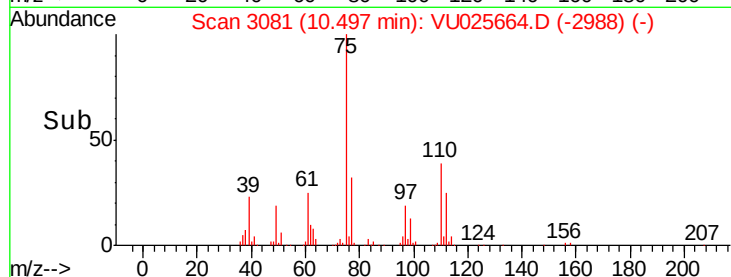
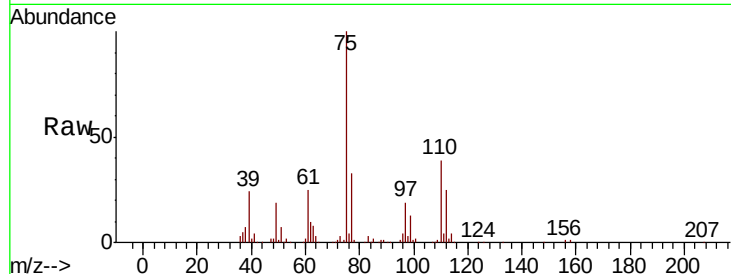
#81
trans-1,4-Dichloro-2-butene
Concen: 102.22 ug/l m
RT: 10.50 min Scan# 3081
Delta R.T. 0.00 min
Lab File: VU025664.D
Acq: 27 Jul 2018 12:56

Instrument :
MSVOA_U
ClientSampleId :
ICVVU072718

Tot Ion	Ratio	Lower	Upper
75	100		
53	0.0	0.0	0.0
89	0.0	0.0	0.0

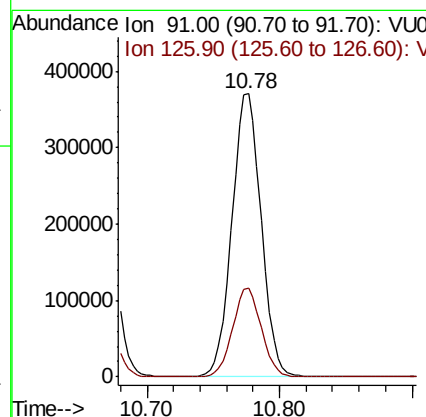
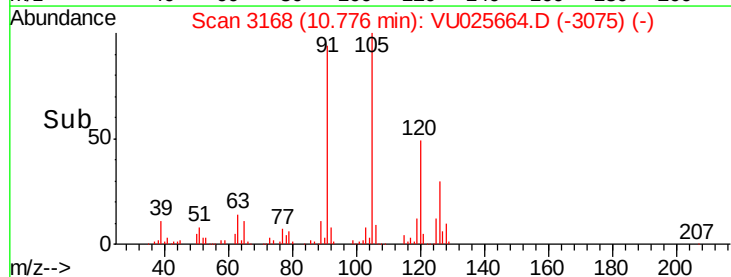
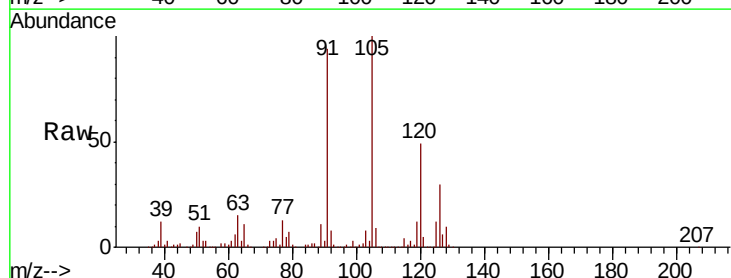
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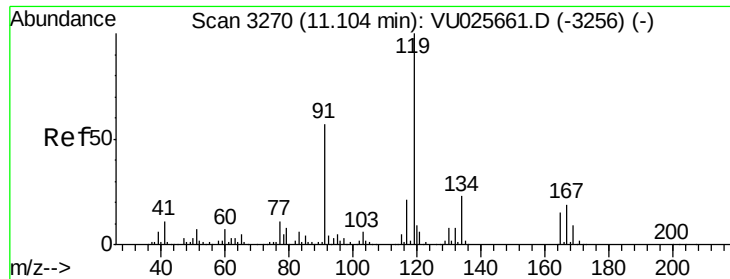
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7/31/2018 3:48:24 PM



#82
4-Chlorotoluene
Concen: 55.47 ug/l
RT: 10.78 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VU025664.D
Acq: 27 Jul 2018 12:56

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.0	15.3	45.9





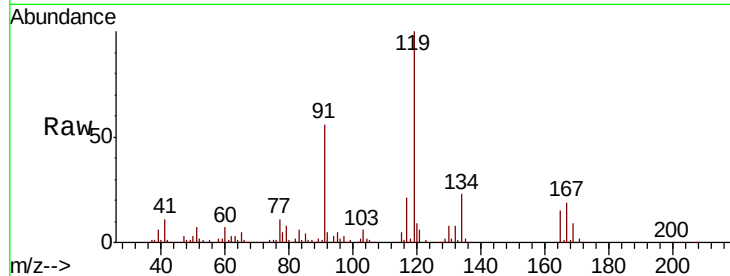
#83
 tert-Butylbenzene
 Concen: 54.42 ug/l
 RT: 11.10 min Scan# 3270
 Delta R.T. 0.00 min
 Lab File: VU025664.D
 Acq: 27 Jul 2018 12:56

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU072718

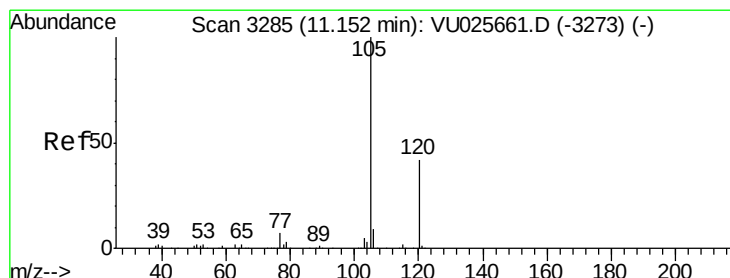
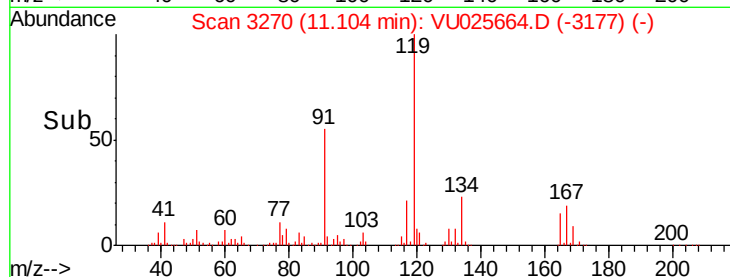
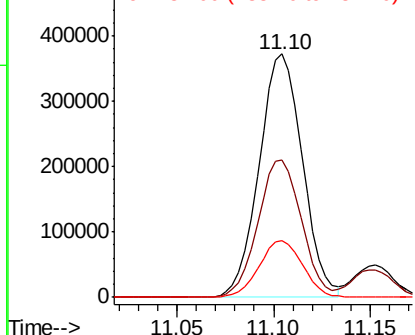
Tot Ion	Ratio	Resp	Lower	Upper
119	100	580367		
91	56.5	29.7	89.1	
134	23.3	11.5	34.5	

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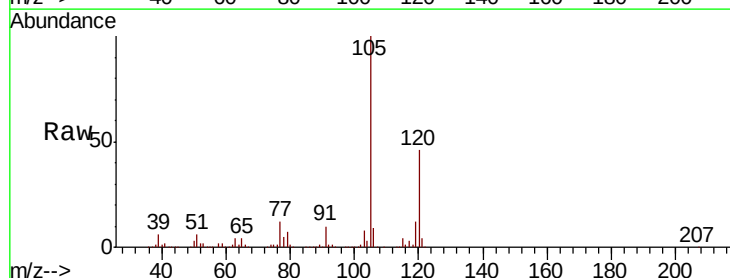


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): VU0
 Ion 134.00 (133.70 to 134.70): V

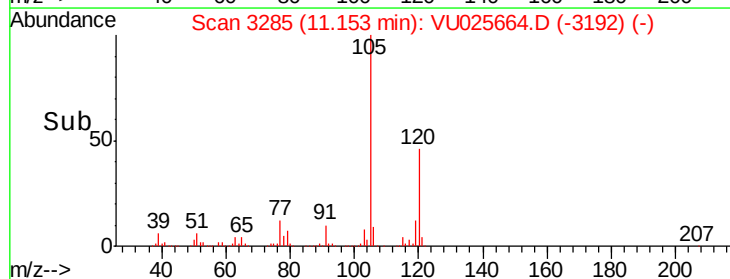
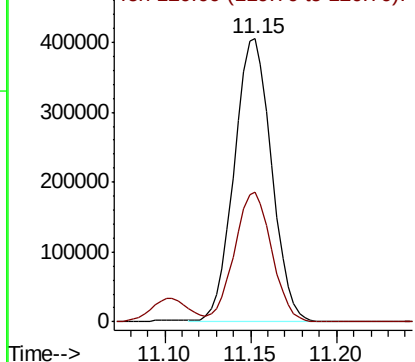


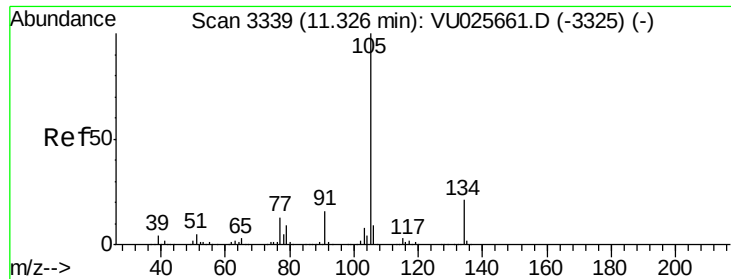
#84
 1,2,4-Trimethylbenzene
 Concen: 56.08 ug/l
 RT: 11.15 min Scan# 3285
 Delta R.T. 0.00 min
 Lab File: VU025664.D
 Acq: 27 Jul 2018 12:56

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	609956		
120	45.8	22.3	66.8	



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 56.16 ug/l

RT: 11.33 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VU025664.D

Acq: 27 Jul 2018 12:56

Instrument :

MSVOA_U

ClientSampleId :

ICVVU072718

Tot Ion:105 Resp: 731274

Ion Ratio Lower Upper

105 100

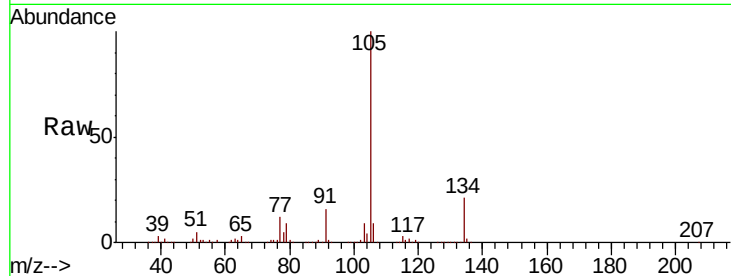
134 20.4 10.3 30.8

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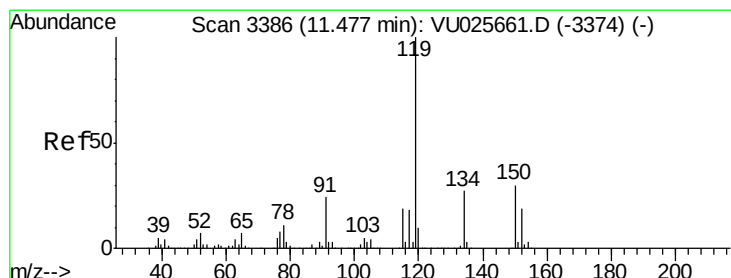
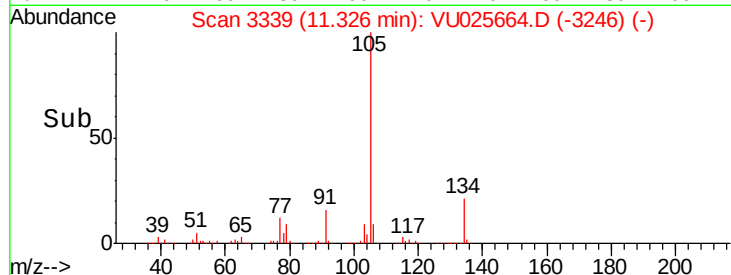
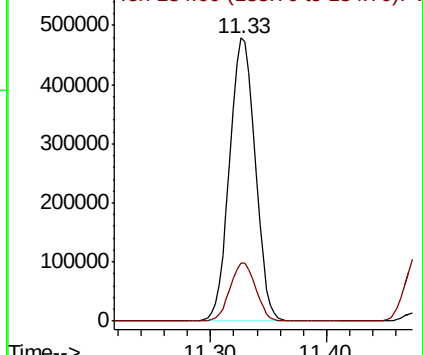
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 57.01 ug/l

RT: 11.48 min Scan# 3386

Delta R.T. 0.00 min

Lab File: VU025664.D

Acq: 27 Jul 2018 12:56

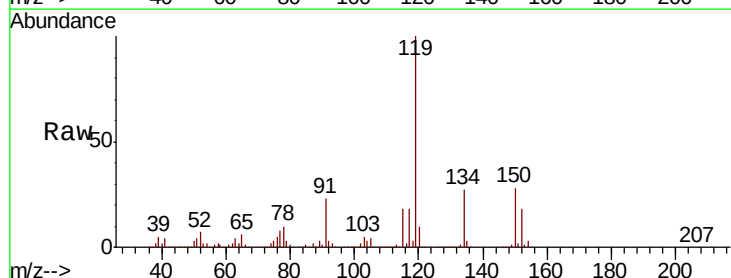
Tgt Ion:119 Resp: 664712

Ion Ratio Lower Upper

119 100

134 26.7 13.2 39.5

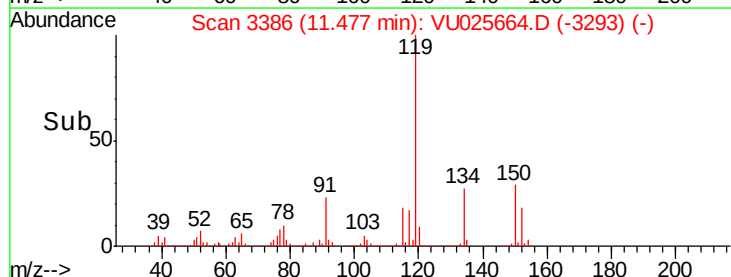
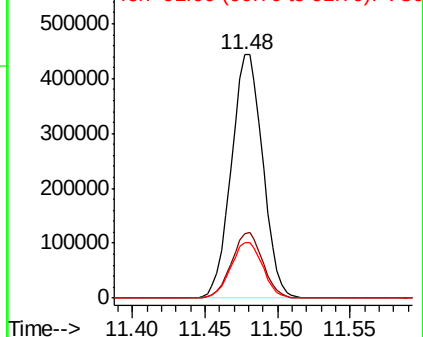
91 23.2 12.0 36.1

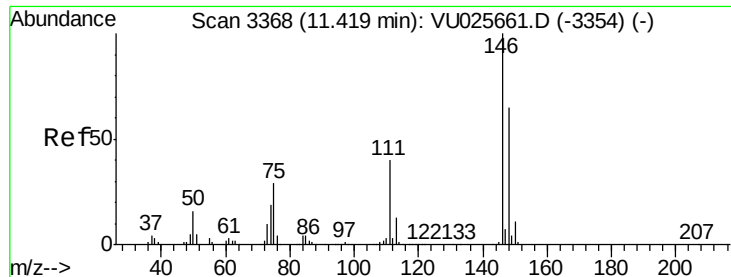


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VU0





#87

1,3-Dichlorobenzene

Concen: 53.42 ug/l

RT: 11.42 min Scan# 3368

Delta R.T. 0.00 min

Lab File: VU025664.D

Acq: 27 Jul 2018 12:56

Instrument :

MSVOA_U

ClientSampleId :

ICVVU072718

Tot Ion:146 Resp: 345658

Ion Ratio Lower Upper

146 100

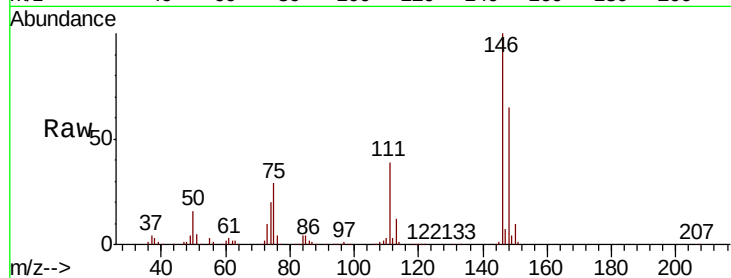
111 39.0 19.7 59.1

148 64.7 32.1 96.3

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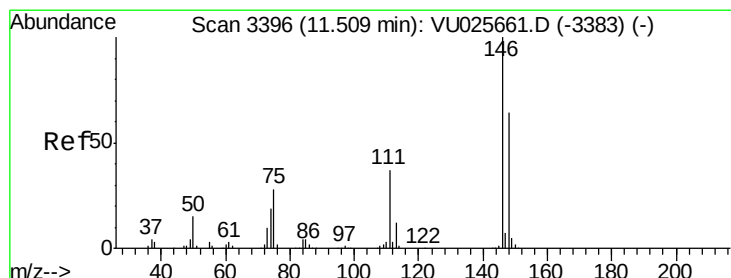
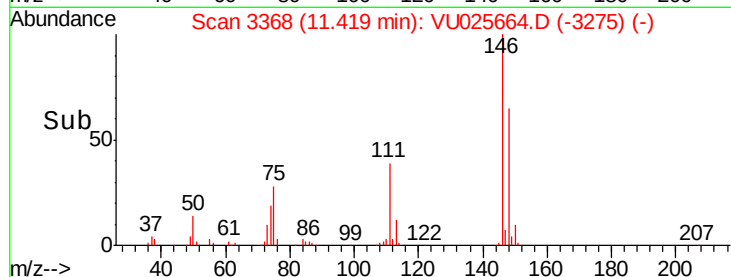
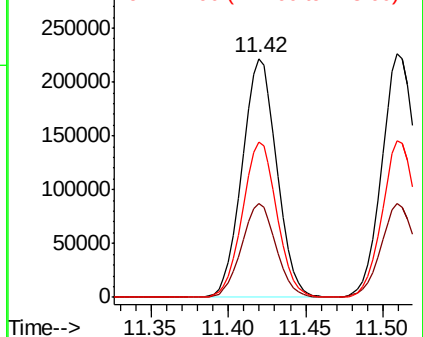
7/31/2018 3:48:24 PM



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 52.16 ug/l

RT: 11.51 min Scan# 3396

Delta R.T. 0.00 min

Lab File: VU025664.D

Acq: 27 Jul 2018 12:56

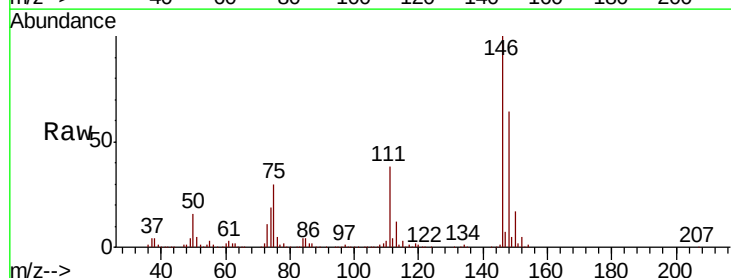
Tgt Ion:146 Resp: 351826

Ion Ratio Lower Upper

146 100

111 38.6 19.4 58.1

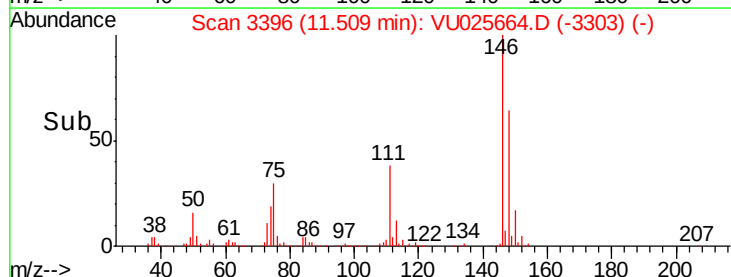
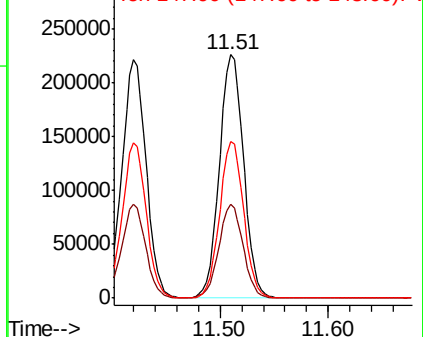
148 63.9 31.7 95.1

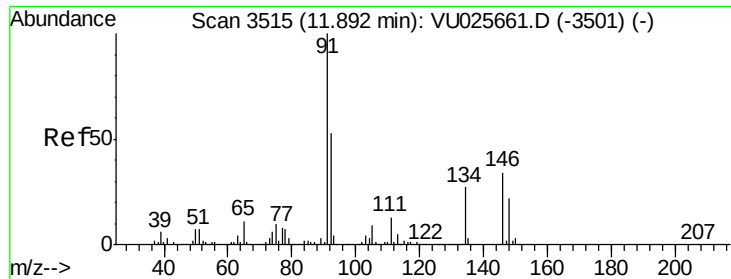


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





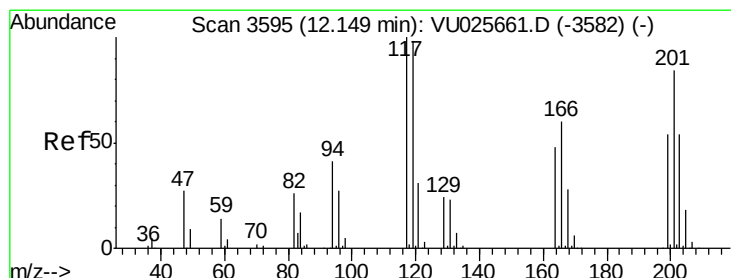
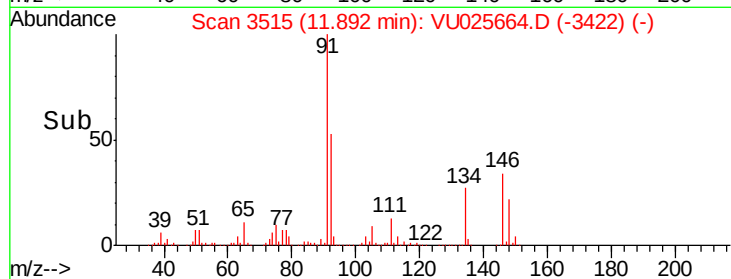
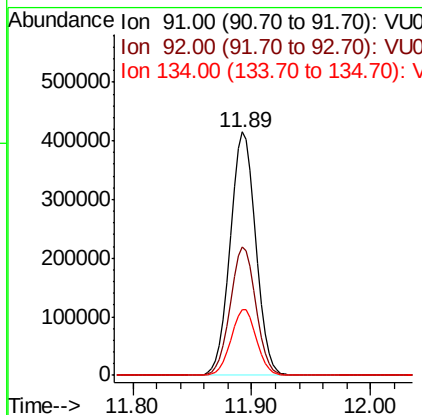
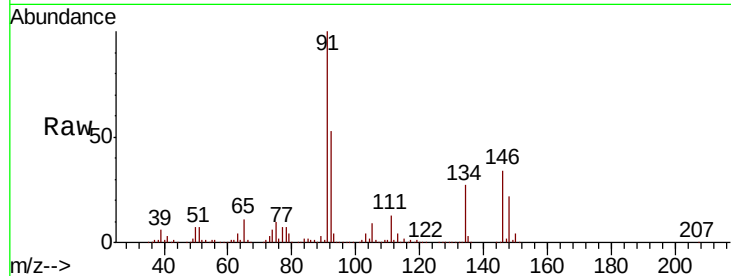
#89
n-Butylbenzene
Concen: 57.31 ug/l
RT: 11.89 min Scan# 3515
Delta R.T. 0.00 min
Lab File: VU025664.D
Acq: 27 Jul 2018 12:56

Instrument :
MSVOA_U
ClientSampleId :
ICVVU072718

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.7	26.5	79.5
134	27.0	13.6	40.7

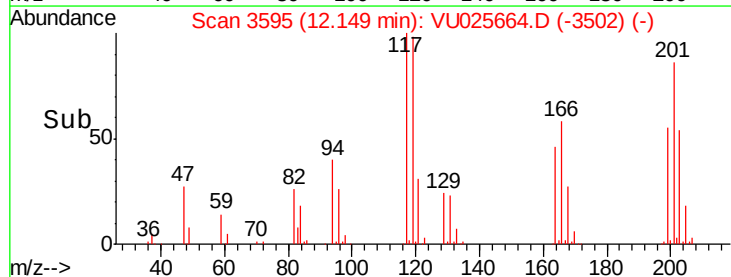
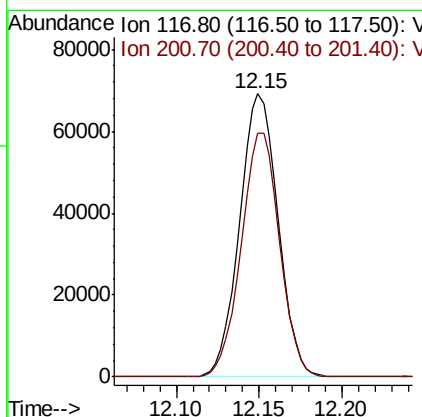
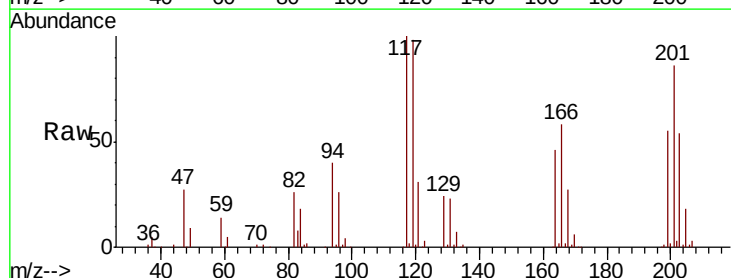
Manual Integrations
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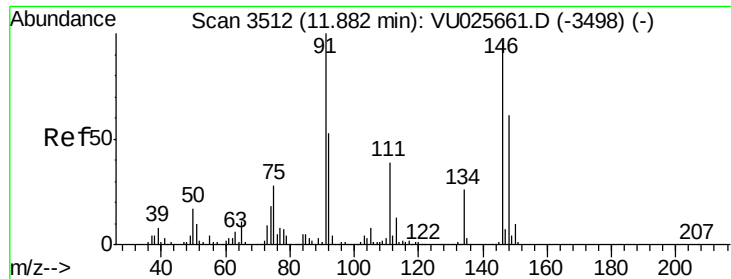
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#90
Hexachloroethane
Concen: 53.80 ug/l
RT: 12.15 min Scan# 3595
Delta R.T. 0.00 min
Lab File: VU025664.D
Acq: 27 Jul 2018 12:56

Tgt Ion	Ratio	Lower	Upper
117	100		
201	86.0	42.5	127.6





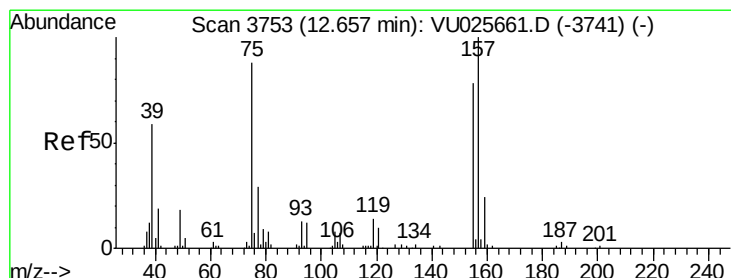
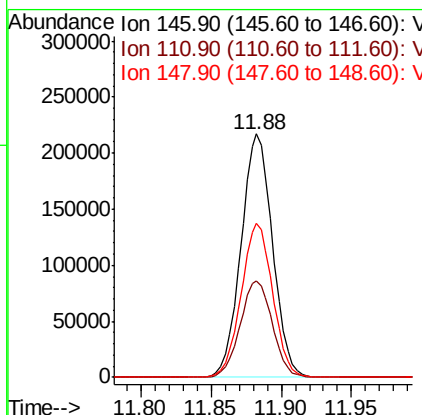
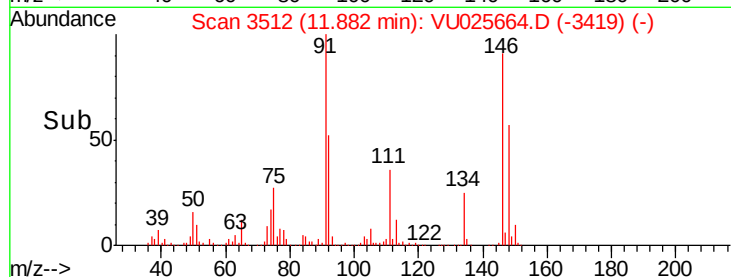
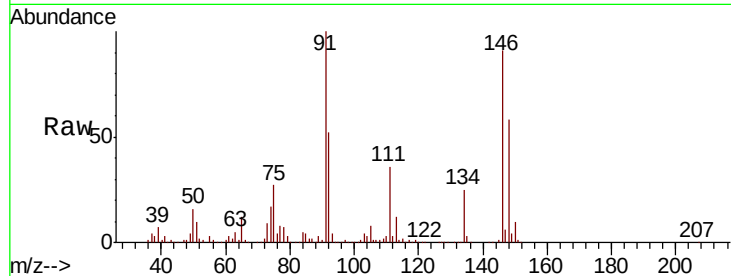
#91
 1,2-Dichlorobenzene
 Concen: 53.62 ug/l
 RT: 11.88 min Scan# 3512
 Delta R.T. 0.00 min
 Lab File: VU025664.D
 Acq: 27 Jul 2018 12:56

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU072718

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.2	20.6	61.8
148	63.2	31.5	94.5

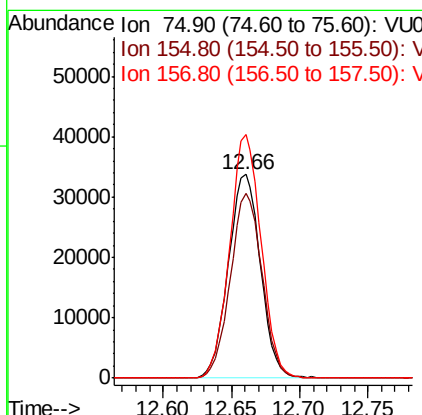
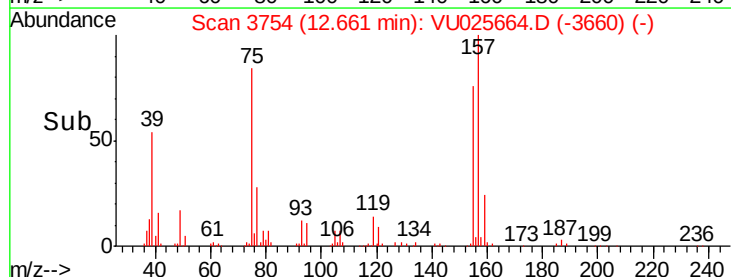
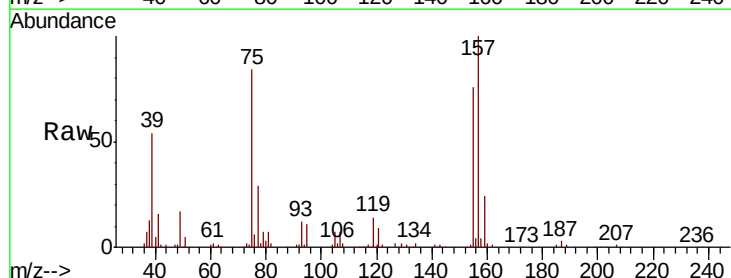
Manual Integrations
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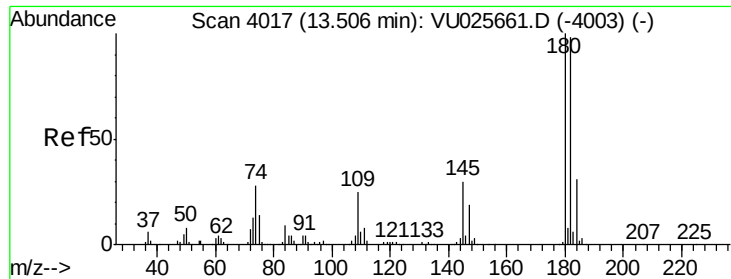
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 53.36 ug/l
 RT: 12.66 min Scan# 3754
 Delta R.T. 0.00 min
 Lab File: VU025664.D
 Acq: 27 Jul 2018 12:56

Tgt Ion	Ratio	Lower	Upper
75	100		
155	89.1	44.5	133.3
157	116.7	57.0	170.8





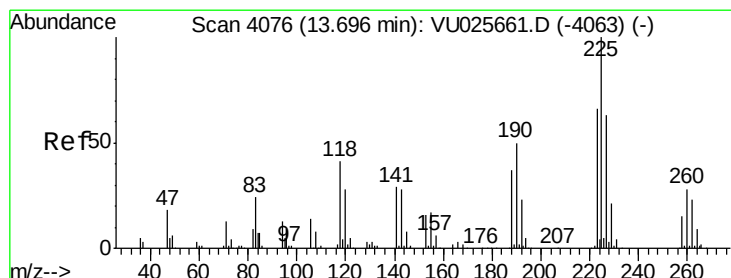
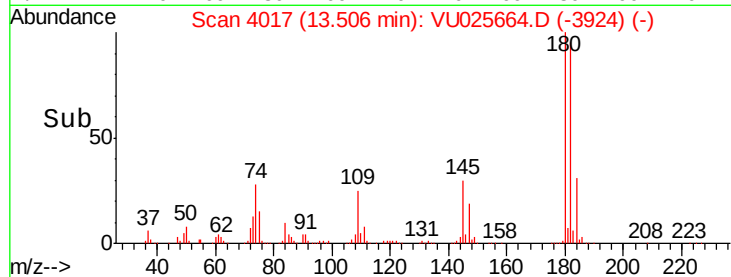
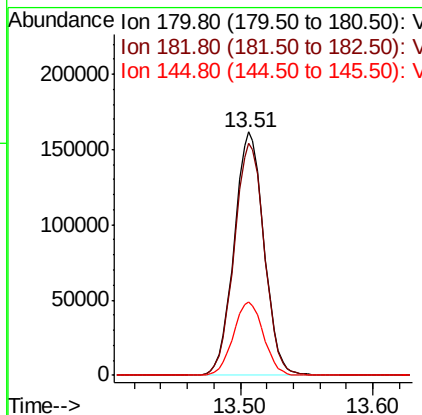
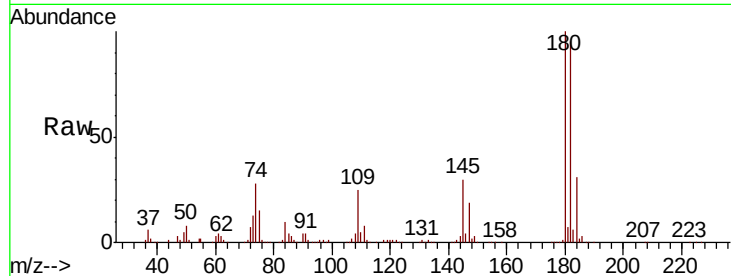
#93
 1,2,4-Trichlorobenzene
 Concen: 58.89 ug/l
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.00 min
 Lab File: VU025664.D
 Acq: 27 Jul 2018 12:56

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU072718

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.6	47.3	141.9
145	30.6	14.9	44.7

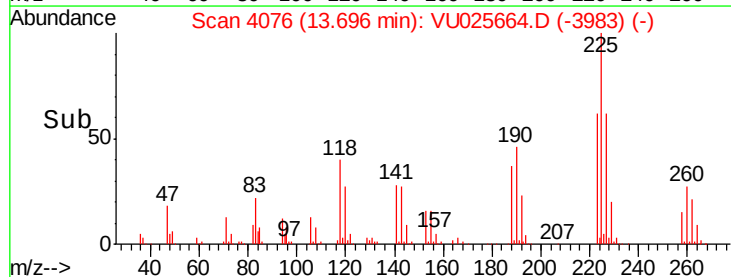
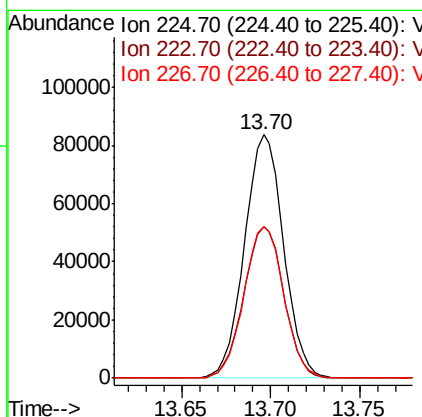
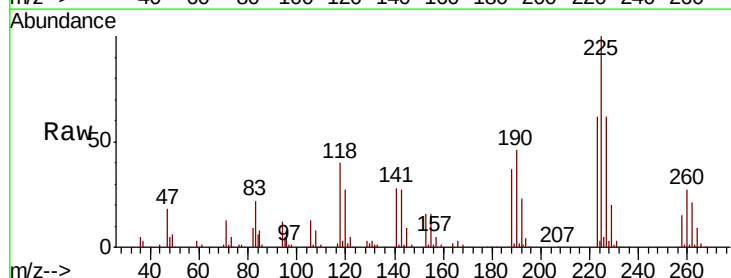
Manual Integrations
 APPROVED

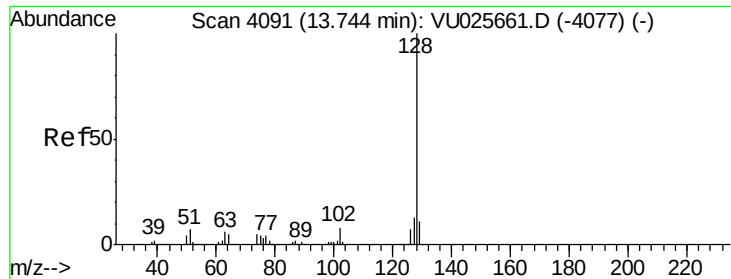
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#94
 Hexachlorobutadiene
 Concen: 56.71 ug/l
 RT: 13.70 min Scan# 4076
 Delta R.T. 0.00 min
 Lab File: VU025664.D
 Acq: 27 Jul 2018 12:56

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.4	31.9	95.7
227	63.3	32.3	96.9





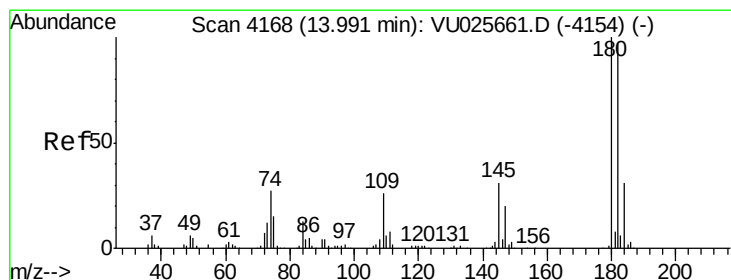
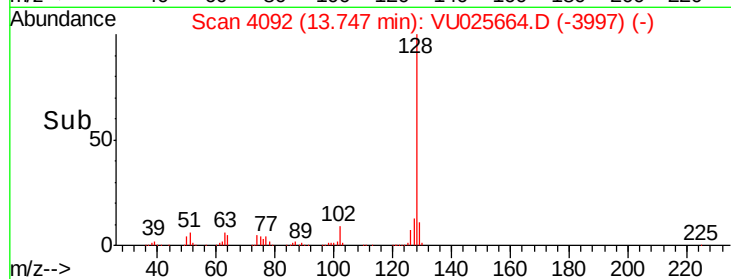
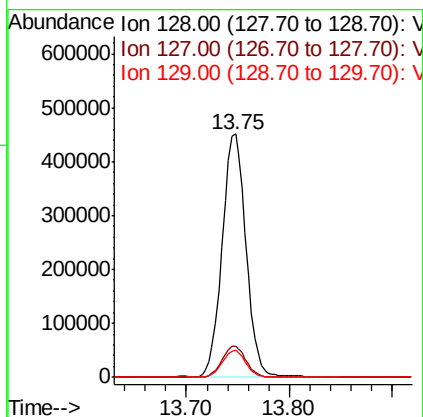
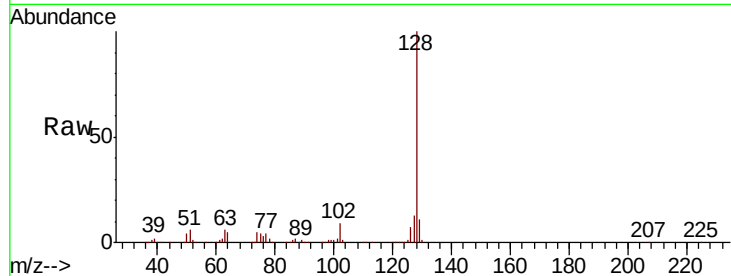
#95
Naphthalene
Concen: 53.00 ug/l
RT: 13.75 min Scan# 4092
Delta R.T. 0.00 min
Lab File: VU025664.D
Acq: 27 Jul 2018 12:56

Instrument :
MSVOA_U
ClientSampleId :
ICVVU072718

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.5	15.7
129	10.7	8.3	12.5

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 58.55 ug/l
RT: 13.99 min Scan# 4168
Delta R.T. 0.00 min
Lab File: VU025664.D
Acq: 27 Jul 2018 12:56

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.6	47.8	143.3
145	30.9	15.6	46.8

